

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200731	VCH100707	29%	58.5%	79.9%
EFA200731	YPS002602	31%	55.6%	74.0%
EFA200733	ABA101702	39%	96.6%	93.7%
EFA200733	BAN102017	65%	99.6%	99.1%
EFA200733	BAN108755	74%	99.6%	98.7%
EFA200733	BFR10442	44%	95.7%	96.1%
EFA200733	BPT101404	43%	95.3%	94.4%
EFA200733	BCE115095	46%	99.1%	85.3%
EFA200733	BFU109627	47%	98.3%	92.7%
EFA200733	BMA100321	42%	96.2%	96.6%
EFA200733	CJU101186	32%	97.4%	99.1%
EFA200733	CJU101152	38%	97.4%	99.1%
EFA200733	CAC100510	55%	96.2%	95.7%
EFA200733	CBO101454	53%	96.6%	96.6%
EFA200733	CDF103771	49%	95.7%	97.4%
EFA200733	CDP100744	47%	96.6%	98.2%
EFA200733	EBC104489	42%	97.4%	98.3%
EFA200733	EFA200733	100%	100%	100%
EFA200733	EFM200129	90%	100%	89.7%
EFA200733	ECO103818	43%	97.4%	98.3%
EFA200733	HIN100817	39%	97.4%	99.1%
EFA200733	KPN302148	44%	99.6%	97.9%
EFA200733	LMO101754	81%	99.6%	98.7%
EFA200733	MCA101884	43%	96.2%	96.2%
EFA200733	MAV103024	47%	97.4%	99.1%
EFA200733	MBV102356	47%	97.4%	97.8%
EFA200733	MLP100469	47%	96.2%	95.6%
EFA200733	MTU200489	47%	97.4%	99.1%
EFA200733	PMU101887	38%	97.4%	98.3%
EFA200733	PRT100356	42%	97.4%	98.3%
EFA200733	PAE201156	40%	95.7%	94.9%
EFA200733	SPA101179	41%	96.2%	96.5%
EFA200733	STY103227	42%	97.4%	98.3%
EFA200733	STM100028	41%	96.2%	96.5%
EFA200733	SAU800018	70%	98.7%	98.3%
EFA200733	SEP201243	70%	97.4%	95.4%
EFA200733	SHA101255	71%	97.4%	95.8%
EFA200733	SMU100506	71%	98.3%	99.1%
EFA200733	SPN401106	70%	98.3%	92.4%
EFA200733	SPY200378	70%	98.3%	99.2%
EFA200733	YPS001580	43%	97.4%	98.3%
EFA200746	ABA104775	26%	35%	68.7%
EFA200746	BAN107854	29%	96.3%	99.8%
EFA200746	BAN111708	32%	88.5%	98.3%
EFA200746	EFA200746	100%	100%	100%
EFA200746	EFM202588	56%	100%	100%
EFA200746	LMO100335	36%	97.6%	96.8%
EFA200746	SAU800923	32%	96.7%	97.7%
EFA200746	SEP201474	31%	97.0%	97.9%
EFA200746	SHA100958	37%	50.9%	98.7%
EFA200746	SMU100022	37%	98.3%	98.6%
EFA200747	EFA200747	100%	100%	100%
EFA200747	EFM200896	82%	99.5%	100%
EFA200747	LMO100794	57%	98.1%	99.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200747	PAE203612	29%	18.1%	21.6%
EFA200747	SAU801275	46%	97.9%	98.9%
EFA200747	SEP201568	46%	97.9%	96.3%
EFA200747	SHA101100	46%	97.9%	97.0%
EFA200747	SMU100333	60%	97.5%	99.6%
EFA200747	SPN400538	60%	97.7%	99.8%
EFA200747	SPY200771	58%	97.5%	99.6%
EFA200747	VCH100261	25%	18.1%	20.7%
EFA200766	ABA105133	32%	92.5%	94.1%
EFA200766	BAN113695	40%	95.2%	95.9%
EFA200766	BAN110083	51%	97.6%	95.3%
EFA200766	BFR106048	33%	85.1%	86.2%
EFA200766	BMA108673	34%	73.3%	95.3%
EFA200766	CJU100651	36%	74.0%	73.1%
EFA200766	CAC103516	43%	98.1%	99.8%
EFA200766	CAC103116	43%	98.1%	99.5%
EFA200766	CBO101395	43%	98.1%	98.8%
EFA200766	CDF101858	45%	97.6%	97.6%
EFA200766	EBC107301	37%	65.8%	39.8%
EFA200766	EFA200766	100%	100%	100%
EFA200766	EFM201535	88%	98.8%	99.3%
EFA200766	ECO102040	34%	94.7%	94.3%
EFA200766	HIN100399	32%	95.2%	94.1%
EFA200766	HPY100166	33%	74.7%	73.5%
EFA200766	KPN300423	46%	11.3%	44.8%
EFA200766	KPN304482	34%	91.8%	91.6%
EFA200766	LMO102686	70%	98.6%	99.5%
EFA200766	MCA100567	31%	88.4%	92.0%
EFA200766	NGO100452	35%	92.3%	94.5%
EFA200766	NME201774	35%	92.3%	94.5%
EFA200766	PMU100233	32%	94.9%	94.1%
EFA200766	PRT102329	33%	91.6%	90.2%
EFA200766	PAE205435	34%	93.5%	88.8%
EFA200766	PPU111450	32%	95.7%	95.3%
EFA200766	PSY104961	36%	65.8%	38.9%
EFA200766	SPA104056	34%	91.8%	97.4%
EFA200766	STY104182	34%	95.7%	95.1%
EFA200766	STM103916	34%	95.7%	95.1%
EFA200766	SAU801612	51%	99.8%	98.1%
EFA200766	SEP201130	51%	99.8%	98.1%
EFA200766	SHA101196	50%	99.8%	99.5%
EFA200766	SMU100046	72%	98.6%	95.3%
EFA200766	SPN401281	67%	54.0%	92.5%
EFA200766	SPN401283	74%	99.8%	94.9%
EFA200766	SPY200427	72%	97.8%	94.6%
EFA200766	VCH100704	34%	91.3%	90.1%
EFA200766	YPS003165	32%	97.1%	94.0%
EFA200794	BAN112108	39%	82.3%	80.3%
EFA200794	BAN105533	40%	97.2%	97.6%
EFA200794	BPT101186	28%	52.8%	56%
EFA200794	CDF101053	32%	81.6%	77.5%
EFA200794	EFA200794	100%	100%	100%
EFA200794	EFM201900	59%	98.7%	99.7%
EFA200794	HIN100435	24%	83.9%	79.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200794	LPN103565	35%	48.1%	50.8%
EFA200794	LMO101540	38%	98.4%	99.1%
EFA200794	MCA101120	33%	67.1%	66.6%
EFA200794	NGO100045	31%	68.0%	68.6%
EFA200794	NME200903	36%	43.0%	44.9%
EFA200794	PMU101674	27%	71.5%	70.3%
EFA200794	PAE202959	35%	47.8%	45.7%
EFA200794	PPU104835	37%	48.1%	46.0%
EFA200794	PSY106959	33%	47.8%	45.7%
EFA200794	SPA100838	28%	57.0%	54.5%
EFA200794	SAU800484	27%	93.4%	97.7%
EFA200794	SEP201817	29%	93.4%	97.7%
EFA200794	SHA101458	29%	93.4%	97.7%
EFA200794	SMU100344	35%	96.2%	99.3%
EFA200794	SPN400836	35%	97.2%	98.6%
EFA200794	SPY200290	33%	95.9%	98.6%
EFA200794	VCH101985	32%	53.8%	52.8%
EFA200797	BFR101396	23%	34.6%	89.3%
EFA200797	BCE109516	30%	23.4%	55.2%
EFA200797	BFU110052	26%	32.9%	26.0%
EFA200797	EFA200797	100%	100%	100%
EFA200797	ECO101249	24%	17.7%	37.4%
EFA200797	KPN301095	26%	17.8%	36.6%
EFA200797	PRT105300	36%	13.6%	31.7%
EFA200797	SPA104362	24%	17.8%	37.5%
EFA200797	STY103053	26%	17.8%	37.4%
EFA200797	YPS000920	25%	18.2%	37.5%
EFA200805	ABA104003	47%	93.9%	99.2%
EFA200805	BAN107104	43%	82.4%	84.9%
EFA200805	BAN105134	73%	98.3%	99.7%
EFA200805	BFR12467	43%	91.2%	98.4%
EFA200805	BPT100051	47%	93.8%	98.5%
EFA200805	BBU100388	47%	94.5%	98.7%
EFA200805	BCE104307	45%	93.8%	99.1%
EFA200805	BFU100849	45%	80.6%	96.9%
EFA200805	BMA104886	45%	93.8%	99.1%
EFA200805	CJU100443	41%	94.3%	99.1%
EFA200805	CPN200682	47%	94.0%	98.7%
EFA200805	CTR200581	58%	7.3%	0.2%
EFA200805	CAC102610	65%	96.1%	94.8%
EFA200805	CBO100154	63%	99.1%	98.0%
EFA200805	CDF100552	62%	99.6%	98.2%
EFA200805	CDP100874	61%	0.9%	8.0%
EFA200805	EBC101233	47%	72.8%	93.7%
EFA200805	EFA200805	100%	100%	100%
EFA200805	EFM202205	94%	99.8%	99.5%
EFA200805	ECO103885	46%	94.1%	99.4%
EFA200805	HIN100494	45%	93.9%	99.3%
EFA200805	KPN302483	47%	89.2%	99.9%
EFA200805	LPN101720	65%	5.6%	95.7%
EFA200805	LMO101542	78%	96.0%	97.8%
EFA200805	MCA101003	44%	94.4%	99.3%
EFA200805	MAV102933	62%	1.7%	7.3%
EFA200805	MBV100910	61%	1.7%	7.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200805	MLP101145	61%	66.2%	71.4%
EFA200805	MTU200664	61%	1.7%	7.2%
EFA200805	MGE100350	48%	0.6%	6.2%
EFA200805	MPN100326	47%	0.5%	6.1%
EFA200805	NME200136	46%	93.8%	99.1%
EFA200805	PMU101737	45%	94.4%	99.4%
EFA200805	PAE204268	46%	93.9%	99.3%
EFA200805	PPU104497	44%	93.8%	99.1%
EFA200805	PSY103339	45%	93.8%	99.1%
EFA200805	SPA102792	59%	42.3%	78.8%
EFA200805	STY102671	46%	94.1%	99.4%
EFA200805	STM102058	46%	94.1%	99.4%
EFA200805	SAU800542	73%	98.1%	99.7%
EFA200805	SEP201886	73%	98.1%	99.7%
EFA200805	SHA101636	71%	93.8%	100%
EFA200805	SMU100556	77%	97.9%	99.4%
EFA200805	SPN401775	75%	99.5%	98.9%
EFA200805	SPY200071	76%	97.9%	99.3%
EFA200805	TPA100238	58%	2.1%	5.8%
EFA200805	UUR100187	45%	1.1%	7.5%
EFA200805	VCH100323	45%	94.1%	96.9%
EFA200805	YPS000489	46%	93.9%	99.3%
EFA200807	ABA100041	39%	11.1%	72.8%
EFA200807	ABA104621	52%	98.0%	97.3%
EFA200807	BAN107772	45%	98.2%	99.8%
EFA200807	BAN101907	76%	98.4%	99.8%
EFA200807	BFR102987	50%	96.7%	97.3%
EFA200807	BPT101163	52%	97.7%	96.4%
EFA200807	BBU100387	56%	97.6%	99.6%
EFA200807	BCE108518	62%	47.2%	96.7%
EFA200807	BFU100842	54%	80.2%	61.1%
EFA200807	BMA101246	52%	99.2%	97.7%
EFA200807	CJU100444	51%	97.1%	98.7%
EFA200807	CPN200681	51%	96.9%	96.9%
EFA200807	CTR200580	51%	96.9%	97.1%
EFA200807	CAC100576	63%	97.3%	98.1%
EFA200807	CBO100117	64%	98.3%	99.2%
EFA200807	CDF100550	63%	97.7%	99.8%
EFA200807	CDP100877	50%	5.7%	1.0%
EFA200807	EBC103916	49%	96.8%	96.2%
EFA200807	EFA200807	100%	100%	100%
EFA200807	EFM200070	89%	96.5%	100%
EFA200807	ECO103886	49%	99.4%	97.9%
EFA200807	HIN100493	52%	99.3%	98.1%
EFA200807	HPY101181	52%	96.7%	51.2%
EFA200807	KPN300484	41%	12.5%	88.9%
EFA200807	KPN302484	49%	96.8%	96.2%
EFA200807	LPN100508	65%	44.0%	98.7%
EFA200807	LMO101517	79%	98.8%	100%
EFA200807	MCA101004	52%	99.1%	97.0%
EFA200807	MAV102932	52%	6.0%	0.6%
EFA200807	MBV100906	52%	6.0%	0.6%
EFA200807	MLP101144	51%	6.0%	0.6%
EFA200807	MTU200665	52%	6.0%	0.6%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200807	MGE100349	46%	96.1%	97.2%
EFA200807	MPN100327	46%	96.1%	97.4%
EFA200807	NGO101637	54%	77.2%	38.2%
EFA200807	NME200135	51%	97.7%	98.1%
EFA200807	PMU101736	50%	98.8%	97.2%
EFA200807	PRT104687	55%	77.2%	41.2%
EFA200807	PAE204267	49%	98.8%	98.4%
EFA200807	PPU104498	49%	98.8%	97.7%
EFA200807	PSY103340	49%	98.8%	98.4%
EFA200807	SPA101954	39%	64.7%	100%
EFA200807	STY102668	48%	96.8%	96.2%
EFA200807	STM102060	48%	96.8%	96.2%
EFA200807	SAU800543	72%	98.8%	99.8%
EFA200807	SEP201887	73%	98.8%	100%
EFA200807	SHA100756	54%	6.7%	73.6%
EFA200807	SHA101637	73%	97.4%	98.5%
EFA200807	SMU100552	78%	99.0%	99.5%
EFA200807	SPN401774	77%	97.7%	97.1%
EFA200807	SPY200072	77%	99.3%	99.8%
EFA200807	TPA100239	56%	99.3%	99.1%
EFA200807	UUR100188	45%	96.2%	98.2%
EFA200807	VCH100324	52%	97.1%	96.8%
EFA200807	YPS000478	52%	99.4%	98.0%
EFA200811	ABA100676	55%	95.9%	98.6%
EFA200811	BAN101291	66%	97.3%	97.9%
EFA200811	BAN111521	66%	97.3%	97.9%
EFA200811	BFR11426	51%	97.9%	94.8%
EFA200811	BPT102861	51%	95.2%	97.9%
EFA200811	BBU100338	52%	92.5%	92.5%
EFA200811	BCE107311	58%	95.9%	79.5%
EFA200811	BFU103522	60%	95.9%	98.6%
EFA200811	BMA107182	59%	95.9%	78.2%
EFA200811	CJU101396	53%	91.1%	95.0%
EFA200811	CPN200505	44%	95.9%	94.6%
EFA200811	CTR200395	46%	95.2%	94%
EFA200811	CAC102148	52%	95.9%	97.2%
EFA200811	CBO103121	58%	95.9%	96.6%
EFA200811	CDF100062	54%	95.2%	97.2%
EFA200811	CDP100045	52%	95.9%	95.2%
EFA200811	EBC102180	58%	95.9%	98.6%
EFA200811	EFA200811	100%	100%	100%
EFA200811	EFM201491	95%	100%	83.0%
EFA200811	ECO103161	58%	95.9%	98.6%
EFA200811	HIN101412	59%	95.9%	98.6%
EFA200811	HPY100082	48%	91.1%	94.3%
EFA200811	KPN301994	56%	95.9%	98.6%
EFA200811	LPN102178	55%	95.9%	97.2%
EFA200811	LMO100177	76%	97.3%	97.9%
EFA200811	MCA103453	56%	96.6%	98.6%
EFA200811	MAV103415	60%	92.5%	91.8%
EFA200811	MBV101152	60%	92.5%	69.2%
EFA200811	MLP100232	59%	95.9%	95.2%
EFA200811	MTU203396	60%	92.5%	91.8%
EFA200811	MGE100428	42%	96.6%	97.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200811	MPN100225	45%	88.4%	88.4%
EFA200811	NGO101071	57%	95.9%	97.9%
EFA200811	NME200352	57%	95.9%	97.9%
EFA200811	PMU100520	56%	95.9%	98.6%
EFA200811	PRT100489	57%	95.9%	98.6%
EFA200811	PAE204431	58%	95.9%	98.6%
EFA200811	PPU105984	56%	95.9%	98.6%
EFA200811	PSY103838	58%	92.5%	95.1%
EFA200811	SPA100958	58%	95.9%	98.6%
EFA200811	STY101563	58%	95.9%	98.6%
EFA200811	SAU802218	69%	94.5%	95.2%
EFA200811	SEP202048	66%	94.5%	95.2%
EFA200811	SHA100040	74%	72.6%	94.6%
EFA200811	SMU101369	82%	100%	98.6%
EFA200811	SPN400271	82%	100%	98.6%
EFA200811	SPY201486	82%	100%	98.6%
EFA200811	TPA101015	48%	92.5%	95.1%
EFA200811	UUR100584	55%	89.0%	87.8%
EFA200811	VCH100560	57%	95.9%	98.6%
EFA200811	YPS002279	57%	95.9%	98.6%
EFA200812	ABA100673	53%	94.6%	96.1%
EFA200812	BAN112009	70%	100%	100%
EFA200812	BAN109246	71%	100%	100%
EFA200812	BFR11427	52%	93.1%	94.5%
EFA200812	BPT102858	52%	94.6%	94.6%
EFA200812	BBU100337	55%	94.6%	90.4%
EFA200812	BCE104886	52%	94.6%	94.6%
EFA200812	BFU103523	50%	94.6%	94.6%
EFA200812	BMA104857	52%	94.6%	94.6%
EFA200812	CJU101395	49%	93.8%	95.3%
EFA200812	CPN200506	54%	93.8%	91.8%
EFA200812	CTR200396	51%	93.8%	91.7%
EFA200812	CAC102494	64%	100%	100%
EFA200812	CBO103462	63%	100%	100%
EFA200812	CDF100063	61%	100%	100%
EFA200812	CDP100047	51%	93.1%	68.4%
EFA200812	EBC102179	52%	100%	100%
EFA200812	EFA200812	100%	100%	100%
EFA200812	EFM201820	96%	100%	100%
EFA200812	ECO103160	52%	100%	100%
EFA200812	HIN101411	50%	100%	100%
EFA200812	HPY100081	45%	93.8%	95.3%
EFA200812	KPN302005	52%	100%	100%
EFA200812	LPN102542	47%	96.9%	96.5%
EFA200812	LMO100441	74%	100%	100%
EFA200812	MCA100086	55%	94.6%	96.1%
EFA200812	MAV103416	54%	93.1%	72.9%
EFA200812	MBV101153	54%	93.1%	80.1%
EFA200812	MLP100233	53%	93.1%	79.1%
EFA200812	MTU203395	54%	93.1%	80.1%
EFA200812	MGE100427	44%	100%	100%
EFA200812	MPN100226	49%	100%	100%
EFA200812	NGO102668	58%	96.2%	96.2%
EFA200812	NME200353	58%	96.2%	96.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200812	PMU100521	53%	100%	100%
EFA200812	PRT100490	53%	100%	100%
EFA200812	PAE204430	54%	100%	100%
EFA200812	PPU105982	53%	100%	100%
EFA200812	PSY108021	54%	100%	100%
EFA200812	SPA100957	51%	100%	100%
EFA200812	STY101559	51%	100%	100%
EFA200812	SAU802217	72%	100%	100%
EFA200812	SEP202046	72%	100%	100%
EFA200812	SHA100041	73%	100%	100%
EFA200812	SMU101370	91%	100%	100%
EFA200812	SPN400272	89%	100%	100%
EFA200812	SPY201485	90%	100%	100%
EFA200812	TPA101014	54%	94.6%	95.3%
EFA200812	UUR100583	52%	97.7%	95.5%
EFA200812	VCH100561	51%	100%	100%
EFA200812	YPS002276	53%	100%	100%
EFA200829	ABA100810	27%	84.3%	85.6%
EFA200829	BAN105237	33%	94.7%	96.4%
EFA200829	BAN104566	51%	99.7%	99.3%
EFA200829	BFR11211	23%	79.3%	94.8%
EFA200829	BPT102727	25%	79%	82.6%
EFA200829	BBU100597	31%	92.3%	92.7%
EFA200829	BCE105021	34%	87%	92.9%
EFA200829	BFU110799	29%	46%	32.1%
EFA200829	BMA103015	26%	80%	78.7%
EFA200829	CJU101581	33%	61%	65.9%
EFA200829	CPN200851	34%	89.7%	87.5%
EFA200829	CTR200213	35%	92.3%	92.6%
EFA200829	CAC101781	47%	98.3%	96.7%
EFA200829	CBO101419	52%	95%	93.1%
EFA200829	CDF101126	43%	98%	93.1%
EFA200829	CDP100735	25%	87%	98.2%
EFA200829	EBC104194	28%	79.3%	83.9%
EFA200829	EFA200829	100%	100%	100%
EFA200829	EFM201956	74%	99.7%	96.1%
EFA200829	ECO103874	27%	82.3%	86.5%
EFA200829	HIN100255	27%	84.7%	88.9%
EFA200829	HPY101397	27%	78.7%	85.7%
EFA200829	KPN300758	27%	79.3%	83.9%
EFA200829	LPN101622	35%	96.7%	96.0%
EFA200829	LMO102057	57%	95.7%	96.3%
EFA200829	MCA100620	23%	78.3%	85.0%
EFA200829	MAV103805	24%	79.3%	82.0%
EFA200829	MBV102338	25%	79.3%	82.1%
EFA200829	MLP101458	24%	79.3%	81.7%
EFA200829	MTU200480	25%	79.3%	82.1%
EFA200829	NGO100898	27%	84.3%	89.0%
EFA200829	NME200943	27%	77.7%	83.2%
EFA200829	PMU101589	27%	89.3%	95.6%
EFA200829	PRT102712	27%	93.7%	96.5%
EFA200829	PAE202975	26%	86.7%	92.3%
EFA200829	PPU101791	26%	83.3%	89.4%
EFA200829	PSY101711	27%	86.7%	92.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200829	SPA103331	27%	81.3%	85.7%
EFA200829	STY102701	28%	81.3%	85.7%
EFA200829	STM102039	28%	81%	85.4%
EFA200829	SAU800738	52%	98.3%	96.1%
EFA200829	SEP200812	52%	99.3%	98.7%
EFA200829	SHA102002	55%	95.7%	93.5%
EFA200829	SMU100056	51%	99.7%	97.7%
EFA200829	SPN401246	55%	98.3%	93.4%
EFA200829	SPY200834	54%	98.3%	100%
EFA200829	TPA100089	28%	93.7%	92.9%
EFA200829	VCH100313	31%	60.7%	63.6%
EFA200829	YPS000538	26%	67.3%	72.2%
EFA200839	ABA106058	62%	100%	99.3%
EFA200839	BAN106044	77%	80.7%	99.1%
EFA200839	BFR10521	61%	100%	95.2%
EFA200839	BPT100048	59%	100%	98.6%
EFA200839	BBU100392	51%	98.6%	97.2%
EFA200839	BCE100591	60%	100%	98.6%
EFA200839	BFU104508	62%	100%	92.8%
EFA200839	BMA106139	61%	100%	98.6%
EFA200839	CJU100439	60%	97.9%	97.2%
EFA200839	CPN200686	61%	98.6%	97.9%
EFA200839	CTR200585	57%	98.6%	97.9%
EFA200839	CAC101038	72%	99.3%	98.6%
EFA200839	CBO102195	77%	100%	99.3%
EFA200839	CDF104047	78%	100%	99.3%
EFA200839	CDP100850	63%	98.6%	97.2%
EFA200839	EBC102886	65%	100%	99.3%
EFA200839	EFA200839	100%	100%	100%
EFA200839	ECO103881	65%	100%	99.3%
EFA200839	HIN100496	66%	100%	99.3%
EFA200839	HPY101185	61%	99.3%	98.6%
EFA200839	KPN300527	65%	100%	99.3%
EFA200839	LMO100036	84%	100%	99.3%
EFA200839	MCA100999	64%	100%	98.6%
EFA200839	MAV102318	68%	98.6%	97.2%
EFA200839	MBV103157	68%	98.6%	97.2%
EFA200839	MLP101154	66%	98.6%	97.2%
EFA200839	MTU200637	68%	98.6%	97.2%
EFA200839	MGE100083	50%	99.3%	98.5%
EFA200839	MPN100612	50%	99.3%	98.5%
EFA200839	NGO101667	59%	100%	97.9%
EFA200839	NME200140	59%	100%	97.9%
EFA200839	PMU101743	65%	100%	99.3%
EFA200839	PAE204272	62%	100%	98.6%
EFA200839	PPU104469	61%	100%	98.6%
EFA200839	PSY106552	60%	100%	95.9%
EFA200839	SPA107834	69%	62.9%	90.7%
EFA200839	STY102683	65%	100%	99.3%
EFA200839	STM102055	65%	100%	99.3%
EFA200839	SAU800537	85%	100%	100%
EFA200839	SEP201881	84%	100%	100%
EFA200839	SHA101488	84%	99.3%	98.6%
EFA200839	SMU101147	84%	99.3%	98.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200839	SPN400555	86%	99.3%	98.6%
EFA200839	SPY200329	85%	99.3%	98.6%
EFA200839	TPA100234	56%	98.6%	95.2%
EFA200839	UUR100547	49%	98.6%	89.3%
EFA200839	VCH100319	65%	100%	99.3%
EFA200839	YPS000498	66%	100%	99.3%
EFA200840	ABA104945	52%	98.3%	97.4%
EFA200840	BAN101496	74%	38.9%	94.7%
EFA200840	BAN103921	61%	98.3%	98.3%
EFA200840	BFR10522	50%	99.6%	98.3%
EFA200840	BPT100050	55%	99.6%	98.3%
EFA200840	BBU100391	47%	98.3%	98.2%
EFA200840	BCE101116	52%	99.6%	98.3%
EFA200840	BFU100848	53%	99.6%	98.3%
EFA200840	BMA108405	52%	99.6%	98.3%
EFA200840	CJU100440	54%	98.3%	96.6%
EFA200840	CPN200685	54%	98.3%	97.0%
EFA200840	CTR200584	54%	98.3%	97.0%
EFA200840	CAC102626	62%	96.1%	96.5%
EFA200840	CBO103496	63%	96.1%	96.5%
EFA200840	CDF100546	65%	99.1%	98.3%
EFA200840	CDP100852	56%	98.3%	95.7%
EFA200840	EBC102885	54%	99.1%	97.0%
EFA200840	EFA200840	100%	100%	100%
EFA200840	ECO103882	54%	99.1%	97.0%
EFA200840	HIN100495	52%	99.6%	99.6%
EFA200840	HPY101184	56%	98.3%	96.6%
EFA200840	KPN300590	57%	49.8%	91.1%
EFA200840	LMO100406	79%	99.6%	99.6%
EFA200840	MCA101000	51%	98.3%	96.6%
EFA200840	MAV102320	59%	98.3%	95.7%
EFA200840	MBV103159	58%	98.3%	99.1%
EFA200840	MLP101153	58%	98.3%	95.7%
EFA200840	MTU200638	59%	98.3%	95.7%
EFA200840	MGE100084	47%	97.8%	98.2%
EFA200840	MPN100611	50%	97.8%	98.2%
EFA200840	NGO101665	52%	99.6%	98.7%
EFA200840	NME200139	53%	99.6%	98.7%
EFA200840	PMU101742	51%	99.6%	99.6%
EFA200840	PAE204271	50%	99.6%	98.7%
EFA200840	PPU104471	50%	99.6%	98.7%
EFA200840	PSY103536	50%	99.6%	98.7%
EFA200840	SPA102795	54%	99.1%	97.0%
EFA200840	STY102680	54%	99.1%	97.0%
EFA200840	STM102056	54%	99.1%	97.0%
EFA200840	SAU800538	73%	100%	99.6%
EFA200840	SEP201882	72%	100%	99.1%
EFA200840	SHA101489	73%	100%	99.1%
EFA200840	SMU101145	75%	100%	100%
EFA200840	SPN400556	74%	98.3%	98.3%
EFA200840	SPY200330	75%	99.6%	99.6%
EFA200840	TPA100235	44%	96.9%	96.9%
EFA200840	UUR100546	48%	97.8%	97.8%
EFA200840	VCH100320	51%	98.7%	97.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200840	YPS000494	54%	99.1%	97.0%
EFA200841	ABA104908	38%	97.0%	97.0%
EFA200841	BAN101384	59%	95.8%	95.8%
EFA200841	BAN106254	59%	95.8%	95.8%
EFA200841	BFR101778	25%	89.8%	88.2%
EFA200841	BPT104548	37%	92.8%	87.9%
EFA200841	BBU100390	31%	96.4%	94.6%
EFA200841	BCE110567	39%	95.2%	95.2%
EFA200841	BFU104512	40%	93.4%	76.6%
EFA200841	BMA104533	39%	95.2%	85.3%
EFA200841	CJU100441	30%	94.6%	96.9%
EFA200841	CPN200684	26%	91.0%	89.4%
EFA200841	CTR200583	25%	91.0%	88.4%
EFA200841	CAC103420	43%	93.4%	92.3%
EFA200841	CBO103649	46%	93.4%	93.4%
EFA200841	CDF100545	45%	95.8%	90.9%
EFA200841	CDP100855	39%	87.3%	90.6%
EFA200841	EFA200841	100%	100%	100%
EFA200841	EFM100720	84%	98.2%	97.6%
EFA200841	ECO103883	34%	93.4%	94.5%
EFA200841	HIN100621	39%	95.2%	95.7%
EFA200841	HPY101183	33%	94.0%	93.9%
EFA200841	KPN304658	33%	93.4%	94.5%
EFA200841	LMO101102	63%	93.4%	93.4%
EFA200841	MCA101001	35%	95.2%	95.2%
EFA200841	MAV102938	41%	94.6%	85.2%
EFA200841	MBV100919	38%	97.6%	90.4%
EFA200841	MLP101148	39%	94.6%	94.4%
EFA200841	MTU200648	38%	97.6%	90.4%
EFA200841	MGE100371	36%	79.5%	82.1%
EFA200841	MPN100304	37%	91.6%	96.3%
EFA200841	NGO101663	37%	97.0%	97.6%
EFA200841	NME200138	37%	97.0%	97.6%
EFA200841	PMU101739	35%	95.2%	95.7%
EFA200841	PRT103043	34%	95.2%	95.8%
EFA200841	PAE204270	39%	95.2%	95.2%
EFA200841	PPU104473	36%	95.2%	81.0%
EFA200841	PSY103338	39%	95.2%	95.2%
EFA200841	SPA102794	33%	93.4%	94.5%
EFA200841	STY102677	33%	93.4%	94.5%
EFA200841	STM102057	33%	93.4%	94.5%
EFA200841	SAU800539	60%	98.2%	98.2%
EFA200841	SEP201883	60%	98.2%	98.2%
EFA200841	SHA101633	61%	98.2%	98.2%
EFA200841	SMU100974	73%	100%	99.4%
EFA200841	SPN401211	69%	100%	100%
EFA200841	SPY200814	71%	100%	100%
EFA200841	TPA100236	32%	98.8%	88.9%
EFA200841	UUR100008	38%	96.4%	96.4%
EFA200841	VCH100321	35%	93.4%	94.4%
EFA200841	YPS000491	32%	95.2%	95.8%
EFA200842	ABA105381	66%	69.7%	100%
EFA200842	BAN106592	60%	95.9%	97.5%
EFA200842	BAN112078	66%	95.9%	97.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200842	BFR106071	51%	97.5%	98.4%
EFA200842	BPT104549	65%	100%	100%
EFA200842	BBU100389	55%	100%	100%
EFA200842	BCE104254	67%	100%	100%
EFA200842	BFU104514	64%	100%	100%
EFA200842	BMA108492	66%	100%	100%
EFA200842	CJU100442	52%	100%	100%
EFA200842	CPN200683	45%	97.5%	95.3%
EFA200842	CTR200582	50%	97.5%	95.4%
EFA200842	CAC103770	61%	95.9%	97.6%
EFA200842	CBO100998	65%	95.9%	97.6%
EFA200842	CDF100554	64%	100%	99.2%
EFA200842	CDP100862	54%	98.4%	97.6%
EFA200842	EBC100455	60%	100%	100%
EFA200842	EFA200842	100%	100%	100%
EFA200842	EFM100721	87%	100%	100%
EFA200842	ECO103884	59%	100%	100%
EFA200842	HIN100622	63%	100%	100%
EFA200842	HPY101182	53%	100%	100%
EFA200842	KPN205542	57%	100%	100%
EFA200842	LMO102795	69%	100%	100%
EFA200842	MCA101002	60%	100%	100%
EFA200842	MAV102937	57%	98.4%	97.7%
EFA200842	MBV100917	56%	98.4%	97.7%
EFA200842	MLP101147	53%	98.4%	97.7%
EFA200842	MTU200649	56%	98.4%	97.7%
EFA200842	MGE100372	43%	98.4%	97.5%
EFA200842	MPN100303	44%	98.4%	97.5%
EFA200842	NGO101640	61%	100%	100%
EFA200842	NME200137	62%	100%	100%
EFA200842	PMU101738	55%	100%	100%
EFA200842	PRT100056	57%	100%	100%
EFA200842	PAE204269	65%	100%	100%
EFA200842	PPU104475	60%	100%	100%
EFA200842	PSY108092	68%	51.6%	98.4%
EFA200842	SPA107849	59%	100%	100%
EFA200842	STY102674	59%	100%	100%
EFA200842	STM107215	59%	100%	100%
EFA200842	SAU800540	64%	97.5%	98.4%
EFA200842	SEP201884	64%	97.5%	98.4%
EFA200842	SHA101634	63%	97.5%	98.4%
EFA200842	SMU100975	64%	100%	100%
EFA200842	SPN401210	68%	100%	96.1%
EFA200842	SPY200815	69%	100%	100%
EFA200842	TPA100237	52%	98.4%	97.7%
EFA200842	UUR100009	52%	95.9%	95.0%
EFA200842	VCH100322	65%	100%	100%
EFA200842	YPS005201	58%	95.9%	95.1%
EFA200894	BAN113200	65%	88.4%	99%
EFA200894	BAN103787	67%	94.2%	99.5%
EFA200894	CAC100985	55%	92.4%	79.0%
EFA200894	CBO102049	60%	88.4%	73.9%
EFA200894	CDF104297	57%	87.1%	70.7%
EFA200894	CDP101225	24%	74.6%	51.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200894	EFA200894	100%	100%	100%
EFA200894	LMO102016	70%	92.4%	93.2%
EFA200894	SAU801006	66%	90.2%	95.7%
EFA200894	SEP200232	64%	90.2%	95.7%
EFA200894	SHA100763	65%	90.2%	96.7%
EFA200894	SMU100221	64%	87.9%	89.1%
EFA200894	SPN401004	65%	89.7%	90.1%
EFA200894	SPY200855	64%	89.7%	90.1%
EFA200898	BAN108111	26%	40.4%	58.4%
EFA200898	BFR104427	29%	96.5%	98.4%
EFA200898	BPT102001	26%	98.2%	90.6%
EFA200898	BBU100379	30%	94.5%	95.8%
EFA200898	BFU108711	22%	25.8%	82%
EFA200898	BMA104773	26%	27.6%	77.3%
EFA200898	CPN200466	28%	88.5%	87.4%
EFA200898	CTR200459	27%	78.1%	74.5%
EFA200898	CAC103232	27%	49.4%	85.1%
EFA200898	CBO103653	29%	96.5%	96.9%
EFA200898	CDF103045	33%	96.2%	95.5%
EFA200898	CDP101052	28%	51.4%	51.9%
EFA200898	EBC100989	27%	89.8%	84.9%
EFA200898	EFA200898	100%	100%	100%
EFA200898	KPN301564	27%	91.4%	91.0%
EFA200898	MAV107258	23%	33.6%	47.1%
EFA200898	MAV107193	24%	52.3%	55.2%
EFA200898	MBV102187	31%	88.1%	90.4%
EFA200898	MTU200361	31%	88.1%	90.4%
EFA200898	NGO100524	29%	94.5%	88.2%
EFA200898	NME200413	30%	94.5%	88.2%
EFA200898	PRT101978	26%	94.9%	88.1%
EFA200898	PAE200912	25%	94.7%	89.2%
EFA200898	PPU101059	25%	96.2%	90.8%
EFA200898	PSY103108	25%	94.7%	91.5%
EFA200898	SAU801009	47%	99.8%	98.9%
EFA200898	SEP200235	48%	95.8%	94.4%
EFA200898	SHA100766	48%	96.9%	95.4%
EFA200898	TPA100907	31%	89.8%	93.8%
EFA200898	UUR100007	26%	80.1%	73.7%
EFA200898	VCH102497	27%	96.2%	96.0%
EFA200898	YPS003101	24%	97.6%	89.6%
EFA200916	BBU100585	20%	93.3%	93.1%
EFA200916	EFA200916	100%	100%	100%
EFA200916	ECO101716	26%	21.4%	23.9%
EFA200916	SMU101553	46%	100%	99.3%
EFA200916	SPN400540	38%	100%	99.8%
EFA200916	SPY200920	44%	99.0%	97.3%
EFA200958	ABA105050	36%	94.6%	97.5%
EFA200958	BAN105743	46%	83.1%	98.0%
EFA200958	BAN103527	57%	98.0%	99.3%
EFA200958	BPT101774	37%	95.6%	97.9%
EFA200958	BCE105719	38%	94.9%	94.0%
EFA200958	BFU103415	37%	95.6%	91.7%
EFA200958	BMA101496	38%	94.9%	95.6%
EFA200958	CAC100640	49%	94.9%	95.9%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA200958	CBO103526	48%	94.9%	95.9%
EFA200958	CDF101175	44%	96.3%	100%
EFA200958	CDP100284	40%	93.9%	94.2%
EFA200958	EBC104047	39%	95.9%	98.9%
EFA200958	EFA200958	100%	100%	100%
EFA200958	EFM102057	72%	17.3%	100%
EFA200958	ECO103135	39%	95.9%	98.9%
EFA200958	HIN101120	38%	98.3%	99.7%
EFA200958	KPN301883	38%	95.9%	98.9%
EFA200958	LMO101258	63%	97.3%	98.3%
EFA200958	MCA100868	38%	94.6%	95.6%
EFA200958	MAV100819	46%	94.9%	91.6%
EFA200958	MBV102154	44%	94.9%	93.4%
EFA200958	MLP100349	45%	94.9%	94.3%
EFA200958	MTU201402	44%	94.9%	93.4%
EFA200958	NGO101945	40%	94.6%	97.2%
EFA200958	NME200872	40%	94.6%	97.2%
EFA200958	PMU100169	40%	96.9%	98.6%
EFA200958	PRT101284	39%	95.9%	99.3%
EFA200958	PAE204463	40%	94.9%	99.0%
EFA200958	PPU103901	40%	94.9%	99.6%
EFA200958	PSY104751	40%	94.9%	99.3%
EFA200958	SPA101395	39%	95.9%	99.3%
EFA200958	STY101515	39%	95.9%	98.9%
EFA200958	STM101784	39%	95.9%	98.9%
EFA200958	SAU800765	50%	94.6%	93.4%
EFA200958	SEP201405	49%	94.6%	93.7%
EFA200958	SHA100647	48%	94.6%	94.6%
EFA200958	SMU100310	58%	99.3%	99.0%
EFA200958	SPN401423	58%	99.3%	99.0%
EFA200958	SPY200470	57%	99.3%	99.0%
EFA200958	VCH102495	39%	96.6%	99.7%
EFA200958	YPS002374	38%	96.3%	99.3%
EFA201009	ABA100755	39%	98.5%	92.7%
EFA201009	BAN102923	61%	97.6%	99.4%
EFA201009	BAN106149	63%	97.6%	97.6%
EFA201009	BFR12283	29%	90%	94.7%
EFA201009	BPT100880	37%	97.4%	96.6%
EFA201009	BBU100367	29%	90.9%	91.7%
EFA201009	BCE108622	30%	19.1%	84.4%
EFA201009	BCE112887	39%	97.1%	99.7%
EFA201009	BFU102699	39%	97.1%	97.6%
EFA201009	BMA100059	39%	84.4%	92.9%
EFA201009	CJU101121	31%	95%	98.0%
EFA201009	CPN200995	35%	97.9%	99.4%
EFA201009	CTR200087	34%	97.9%	99.4%
EFA201009	CAC100593	47%	97.6%	99.1%
EFA201009	CBO102206	48%	97.9%	97.3%
EFA201009	CDF103877	49%	97.9%	96.2%
EFA201009	CDP100269	43%	97.1%	97.6%
EFA201009	EBC103199	42%	96.8%	96.8%
EFA201009	EFA201009	100%	100%	100%
EFA201009	EFM202201	83%	99.4%	95.2%
EFA201009	ECO103530	42%	96.8%	96.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201009	HIN100585	42%	96.8%	97.9%
EFA201009	HPY100945	31%	95.6%	99.4%
EFA201009	KPN303398	41%	96.8%	96.8%
EFA201009	LPN100608	38%	97.6%	99.4%
EFA201009	LMO101105	58%	98.2%	98.8%
EFA201009	MCA100182	37%	97.9%	74.4%
EFA201009	MAV101851	38%	95%	93.8%
EFA201009	MBV102040	43%	96.8%	97.9%
EFA201009	MLP101025	40%	96.8%	96.3%
EFA201009	MTU202944	43%	96.8%	97.9%
EFA201009	NGO101070	39%	97.1%	99.7%
EFA201009	NME200349	39%	97.1%	99.7%
EFA201009	PMU101431	41%	96.8%	97.3%
EFA201009	PRT100958	41%	99.4%	100%
EFA201009	PAE201613	39%	98.5%	97.4%
EFA201009	PPU100025	40%	98.5%	97.1%
EFA201009	PSY106919	39%	98.5%	97.1%
EFA201009	SPA102938	41%	96.8%	96.8%
EFA201009	STY100361	41%	96.8%	96.8%
EFA201009	SAU801474	53%	97.1%	99.4%
EFA201009	SEP200460	54%	97.4%	99.7%
EFA201009	SHA101410	52%	97.1%	99.4%
EFA201009	SMU100645	62%	99.1%	99.4%
EFA201009	SPN401899	66%	98.8%	99.4%
EFA201009	SPY200164	63%	98.5%	99.1%
EFA201009	TPA100999	33%	94.7%	98.6%
EFA201009	UUR100385	27%	91.5%	95.4%
EFA201009	VCH102614	41%	97.1%	95.6%
EFA201009	YPS001566	43%	96.8%	96.8%
EFA201025	BAN101717	33%	70.4%	84.3%
EFA201025	BAN104028	48%	82.0%	96.7%
EFA201025	CAC101539	30%	82.0%	98.3%
EFA201025	CBO100610	30%	81.8%	98.3%
EFA201025	CDF100046	29%	81.8%	97.3%
EFA201025	CDP100495	31%	36.5%	38.9%
EFA201025	EBC101306	30%	65.7%	77.6%
EFA201025	EFA201025	100%	100%	100%
EFA201025	EFM100281	81%	73.5%	100%
EFA201025	ECO102045	27%	78.2%	90.6%
EFA201025	KPN304484	27%	73.8%	86.6%
EFA201025	LPN102533	26%	79.6%	96.7%
EFA201025	LMO101117	59%	84.0%	96.5%
EFA201025	MTU303433	30%	31.8%	36.8%
EFA201025	PRT102330	29%	65.7%	78.1%
EFA201025	PAE203021	30%	73.5%	85.1%
EFA201025	PPU103228	25%	73.5%	85.8%
EFA201025	PSY100248	30%	35.6%	92.6%
EFA201025	PSY102861	26%	82.0%	95.1%
EFA201025	SPA100769	25%	73.8%	86.9%
EFA201025	STM103922	26%	73.8%	87.0%
EFA201025	SAU801898	50%	84.8%	95.6%
EFA201025	SEP200546	50%	86.5%	97.2%
EFA201025	SHA101107	48%	90.6%	96.7%
EFA201025	SMU101024	59%	96.1%	96.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201025	SPY200551	61%	95.6%	97.6%
EFA201025	YPS003168	30%	73.5%	86.1%
EFA201028	ABA101192	49%	98.5%	96.9%
EFA201028	BAN113289	53%	97.1%	97.1%
EFA201028	BAN103118	72%	100%	100%
EFA201028	BPT102505	47%	99.4%	99.8%
EFA201028	BBU100340	40%	99.6%	99.6%
EFA201028	BCE113424	47%	75%	94.5%
EFA201028	BFU106894	46%	99.2%	98.6%
EFA201028	BMA107258	47%	98.9%	99.2%
EFA201028	CJU101122	45%	98.9%	99.6%
EFA201028	CPN200756	42%	99.6%	98.6%
EFA201028	CTR200267	41%	98.1%	97.1%
EFA201028	CAC103172	51%	100%	100%
EFA201028	CBO100777	54%	99.8%	99.8%
EFA201028	CDP100169	44%	99.2%	96.6%
EFA201028	EFA201028	100%	100%	100%
EFA201028	EFM100482	93%	22.9%	100%
EFA201028	HPY100650	45%	99.4%	99.6%
EFA201028	LPN102938	39%	99.4%	99.8%
EFA201028	LMO100253	77%	100%	100%
EFA201028	MCA100584	47%	98.5%	97.1%
EFA201028	MAV106350	41%	98.1%	95.0%
EFA201028	MBV101310	40%	98.5%	94.3%
EFA201028	MLP101041	39%	98.1%	93.9%
EFA201028	MTU202971	40%	98.5%	94.3%
EFA201028	MGE100102	34%	98.9%	98.5%
EFA201028	MPN100593	36%	98.9%	98.3%
EFA201028	NGO101113	46%	99.6%	100%
EFA201028	NME201429	46%	99.6%	100%
EFA201028	PAE204482	45%	99.4%	99.6%
EFA201028	PPU103969	45%	99.4%	99.6%
EFA201028	PSY104801	46%	99.4%	94.9%
EFA201028	STM101344	53%	5.9%	6.5%
EFA201028	SAU801899	72%	100%	100%
EFA201028	SEP200547	71%	100%	100%
EFA201028	SHA101106	71%	100%	100%
EFA201028	SMU101137	73%	99.8%	99.4%
EFA201028	SPN400393	68%	99.8%	99.2%
EFA201028	SPY201364	68%	99.8%	99.4%
EFA201028	TPA101011	37%	99.4%	94.9%
EFA201028	UUR100550	35%	99.6%	99.6%
EFA201041	ABA101195	48%	99.8%	99.8%
EFA201041	BAN102336	50%	97.8%	99.6%
EFA201041	BAN100349	65%	97.8%	99.0%
EFA201041	BPT102507	45%	97.1%	96.9%
EFA201041	BBU100341	38%	92.8%	91.9%
EFA201041	BCE103922	50%	98.0%	99.4%
EFA201041	BFU106893	51%	98.0%	99.4%
EFA201041	BMA103667	52%	98.0%	99.4%
EFA201041	CJU100987	47%	91.2%	95.1%
EFA201041	CPN200757	45%	99.0%	99.6%
EFA201041	CTR200266	45%	99.0%	98.6%
EFA201041	CAC102417	52%	97.8%	99.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201041	CBO102412	54%	95.7%	96.9%
EFA201041	CDP100148	48%	95.1%	96.4%
EFA201041	EBC101332	32%	96.5%	97.2%
EFA201041	EFA201041	100%	100%	100%
EFA201041	EFM100481	85%	98.6%	100%
EFA201041	HPY100817	47%	91.8%	98.2%
EFA201041	KPN302436	32%	95.9%	96.6%
EFA201041	LPN101348	47%	97.1%	98.3%
EFA201041	LMO101334	67%	98.0%	99.2%
EFA201041	MCA100258	49%	97.8%	98.4%
EFA201041	MAV101410	47%	96.9%	98.4%
EFA201041	MBV100289	47%	93.3%	94.7%
EFA201041	MLP101043	47%	93.9%	94.6%
EFA201041	MTU202973	47%	93.3%	94.7%
EFA201041	MGE100101	29%	97.8%	98.1%
EFA201041	MPN100594	32%	83.0%	86.4%
EFA201041	NGO101120	47%	97.1%	99.0%
EFA201041	NME201427	48%	97.1%	99.0%
EFA201041	PAE204481	51%	98.0%	99.2%
EFA201041	PPU101392	50%	98.0%	99.4%
EFA201041	PSY105880	48%	98.0%	99.4%
EFA201041	SAU801900	61%	96.5%	97.7%
EFA201041	SEP200550	62%	96.5%	97.7%
EFA201041	SHA100413	62%	75.9%	97.1%
EFA201041	SMU101138	69%	98.8%	99.0%
EFA201041	SPN400394	68%	99.0%	99.2%
EFA201041	SPY201365	69%	98.6%	98.8%
EFA201041	TPA101010	44%	84.3%	83.4%
EFA201041	UUR100551	30%	94.9%	97.3%
EFA201041	YPS002788	32%	95.3%	95.9%
EFA201047	ABA100577	42%	98.4%	98.8%
EFA201047	BAN102650	43%	96.6%	99.9%
EFA201047	BAN110615	59%	97.1%	99.1%
EFA201047	BFR102809	41%	96.0%	98.6%
EFA201047	BPT100689	42%	94.9%	96.7%
EFA201047	BBU100551	31%	96.2%	98.5%
EFA201047	BCE104345	47%	96.9%	97.5%
EFA201047	BFU101944	47%	97.9%	98.5%
EFA201047	BMA104881	46%	96.6%	97.3%
EFA201047	CJU100547	37%	94.1%	96.6%
EFA201047	CPN200612	40%	95.9%	97.7%
EFA201047	CTR200416	39%	95.6%	97.6%
EFA201047	CAC101086	38%	96.5%	99.1%
EFA201047	CAC101820	39%	95.7%	97.5%
EFA201047	CBO101063	39%	95.7%	98.2%
EFA201047	CDF103325	47%	96.5%	96.8%
EFA201047	CDP100142	38%	96.0%	97.3%
EFA201047	EBC101052	44%	96.0%	98.7%
EFA201047	EFA201047	100%	100%	100%
EFA201047	EFM100886	71%	31.4%	100%
EFA201047	ECO102362	45%	96.0%	98.4%
EFA201047	HIN101074	45%	96.9%	97.9%
EFA201047	HPY100608	38%	95.3%	97.3%
EFA201047	KPN300317	39%	24.0%	92.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201047	KPN301038	45%	96.0%	98.4%
EFA201047	LPN101707	43%	95.7%	97.8%
EFA201047	LMO102553	60%	96.5%	98.1%
EFA201047	MCA101464	43%	95.5%	94.5%
EFA201047	MAV101428	41%	95.2%	95.1%
EFA201047	MBV102830	40%	95.2%	95.4%
EFA201047	MLP101046	39%	95.2%	95.0%
EFA201047	MTU202976	40%	95.2%	95.4%
EFA201047	MGE100258	37%	95.5%	98.5%
EFA201047	MPN100479	39%	96.0%	99.2%
EFA201047	NGO100904	42%	96.5%	99.1%
EFA201047	NME200800	43%	96.9%	96.9%
EFA201047	PMU101716	45%	95.2%	97.0%
EFA201047	PRT102270	46%	96.5%	98.4%
EFA201047	PAE201528	44%	97.2%	98.6%
EFA201047	PPU107257	44%	96.9%	98.8%
EFA201047	PSY103902	41%	87.8%	97.9%
EFA201047	SPA103528	44%	96.0%	98.5%
EFA201047	STY101179	45%	96.3%	98.7%
EFA201047	SAU801904	56%	96.5%	98.4%
EFA201047	SEP200563	56%	96.2%	98.3%
EFA201047	SHA100321	56%	95.6%	99.7%
EFA201047	SMU101026	56%	95.5%	98.6%
EFA201047	SPN401024	56%	95.5%	98.6%
EFA201047	SPY200550	55%	95.5%	98.6%
EFA201047	TPA100627	28%	97.5%	78.1%
EFA201047	UUR100120	40%	95.0%	97.3%
EFA201047	VCH100955	44%	96.5%	99.0%
EFA201047	YPS000606	45%	96.0%	98.4%
EFA201084	ABA102248	39%	98.4%	57.7%
EFA201084	BAN113590	48%	99.3%	99.8%
EFA201084	BAN102128	63%	99.3%	99.6%
EFA201084	BPT101969	38%	97.4%	93.1%
EFA201084	BBU100557	36%	98.8%	97.9%
EFA201084	BCE105897	39%	94.4%	91.4%
EFA201084	BFU102716	39%	94.4%	91.5%
EFA201084	BMA107198	39%	94.4%	92.3%
EFA201084	CPN200725	25%	97.7%	96.1%
EFA201084	CTR200605	27%	97.0%	95.8%
EFA201084	CAC102388	51%	93.6%	99.3%
EFA201084	CBO103848	54%	93.6%	99.3%
EFA201084	CDF100789	55%	98.6%	98.8%
EFA201084	CDP100363	32%	96.3%	95.4%
EFA201084	EBC101637	49%	99.1%	99.6%
EFA201084	EFA201084	100%	100%	100%
EFA201084	EFM201634	93%	44.5%	99.2%
EFA201084	ECO102367	49%	99.1%	98.8%
EFA201084	HIN101677	50%	99.1%	98.8%
EFA201084	HPY100119	26%	66.1%	48.4%
EFA201084	KPN300705	49%	99.1%	98.8%
EFA201084	LPN100853	34%	93.6%	70.0%
EFA201084	LMO101249	69%	99.8%	99.7%
EFA201084	MCA100687	27%	65.7%	49.2%
EFA201084	MGE100439	45%	99.0%	98.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201084	MPN100215	48%	99.3%	98.4%
EFA201084	NGO101819	38%	94.1%	92.2%
EFA201084	NME200366	36%	99.5%	97.3%
EFA201084	PMU100897	49%	99.1%	98.8%
EFA201084	PRT102260	49%	99.5%	99.1%
EFA201084	PAE203560	39%	99.0%	57.7%
EFA201084	PPU109910	38%	99.0%	58%
EFA201084	PSY105138	39%	98.8%	57.7%
EFA201084	SPA101201	41%	99.1%	98.8%
EFA201084	STY104022	31%	96.3%	73.5%
EFA201084	STM101237	49%	99.1%	98.8%
EFA201084	SAU801084	63%	100%	100%
EFA201084	SEP200784	64%	100%	100%
EFA201084	SHA101356	65%	93.4%	100%
EFA201084	SMU100862	77%	99.7%	99.3%
EFA201084	SPN401062	78%	99.7%	99.3%
EFA201084	SPY201054	76%	99.7%	99.3%
EFA201084	VCH100949	48%	99.1%	99.1%
EFA201084	YPS000626	49%	99.3%	99.7%
EFA201087	ABA104415	31%	76.1%	75.3%
EFA201087	BAN108284	62%	97.7%	98.9%
EFA201087	BAN113302	63%	97.7%	98.9%
EFA201087	BPT101967	38%	87.5%	65.3%
EFA201087	BBU100556	36%	94.3%	100%
EFA201087	BCE109463	43%	92.0%	91.0%
EFA201087	BFU102715	41%	92.0%	91.0%
EFA201087	BMA101428	41%	92.0%	91.0%
EFA201087	CPN200726	39%	60.2%	49.1%
EFA201087	CTR200606	29%	84.1%	71.2%
EFA201087	CAC100614	46%	93.2%	95.3%
EFA201087	CBO101012	43%	93.2%	96.6%
EFA201087	CDF100787	43%	90.9%	93.0%
EFA201087	CDP100378	31%	89.8%	93.2%
EFA201087	EFA201087	100%	100%	100%
EFA201087	EFM100206	89%	100%	100%
EFA201087	HIN101678	37%	93.2%	100%
EFA201087	KPN300336	42%	95.5%	33.0%
EFA201087	LPN103186	41%	92.0%	91.0%
EFA201087	LMO101585	63%	100%	100%
EFA201087	MGE100041	46%	94.3%	95.5%
EFA201087	MPN100101	40%	94.3%	95.5%
EFA201087	NGO102690	38%	92.0%	91.0%
EFA201087	NME200365	39%	92.0%	91.0%
EFA201087	PMU100898	37%	93.2%	100%
EFA201087	PRT102262	40%	92.0%	95.3%
EFA201087	PPU103902	34%	92.0%	91.1%
EFA201087	PSY104754	34%	95.5%	94.4%
EFA201087	SPA100416	41%	95.5%	29.7%
EFA201087	STM101235	37%	92.0%	95.3%
EFA201087	SAU801083	64%	100%	100%
EFA201087	SEP200782	67%	100%	100%
EFA201087	SHA101355	68%	100%	100%
EFA201087	SMU103189	79%	98.9%	100%
EFA201087	SPN401063	79%	98.9%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201087	SPY201055	78%	98.9%	100%
EFA201087	TPA100582	42%	95.5%	95.5%
EFA201087	UUR100594	33%	97.7%	98.9%
EFA201087	VCH100950	34%	94.3%	97.6%
EFA201122	BCE109468	25%	26.3%	37.7%
EFA201122	CBO103578	59%	95.6%	97.2%
EFA201122	CDF103357	56%	96.0%	70.4%
EFA201122	EFA201122	100%	100%	100%
EFA201122	EFM200703	44%	95.3%	70.6%
EFA201122	KPN301965	58%	95.6%	99.3%
EFA201122	SPA103916	57%	95.6%	99.3%
EFA201122	STY100944	58%	95.6%	93.9%
EFA201122	STM101392	58%	95.6%	93.9%
EFA201122	SMU101447	69%	98.3%	99.4%
EFA201124	CBO101731	41%	98.7%	94.7%
EFA201124	EBC102987	29%	96.8%	97.1%
EFA201124	EFA201124	100%	100%	100%
EFA201124	ECO102127	32%	98.4%	97.8%
EFA201124	KPN300446	44%	36.0%	88.6%
EFA201124	KPN301962	37%	98.1%	98.7%
EFA201124	SPA103914	38%	98.7%	99.3%
EFA201124	STY100943	37%	98.7%	99.3%
EFA201124	STM101389	37%	98.7%	99.3%
EFA201124	SMU101446	56%	99.4%	99.0%
EFA201124	YPS001092	33%	93.8%	93.3%
EFA201155	ABA100567	46%	97.7%	99.8%
EFA201155	BAN113732	60%	71.0%	100%
EFA201155	BAN108180	68%	73.1%	100%
EFA201155	BFR10168	50%	81.1%	99.0%
EFA201155	BPT101335	47%	94.7%	97.9%
EFA201155	BBU100693	40%	91.9%	97.1%
EFA201155	BCE112884	46%	68.2%	99.1%
EFA201155	BFU115323	47%	93.9%	99.1%
EFA201155	BMA100755	46%	95.8%	99.3%
EFA201155	CJU100659	42%	93.6%	98.2%
EFA201155	CPN200646	39%	91.3%	96.2%
EFA201155	CTR200289	40%	94.1%	98.9%
EFA201155	CAC101092	55%	93.2%	98.4%
EFA201155	CBO101744	58%	95.8%	99.6%
EFA201155	CDF103672	59%	77.5%	95.1%
EFA201155	CDP101160	50%	100%	89.6%
EFA201155	EBC100407	51%	73.9%	94.6%
EFA201155	EFA201155	100%	100%	100%
EFA201155	EFM202293	90%	82.2%	99.7%
EFA201155	ECO102557	50%	95.1%	99.8%
EFA201155	HIN100105	50%	94.9%	97.6%
EFA201155	HPY101135	41%	90.9%	94.4%
EFA201155	KPN301264	51%	73.9%	94.4%
EFA201155	LPN101209	46%	96.4%	98.5%
EFA201155	LMO100196	62%	96.2%	97.8%
EFA201155	MCA100840	46%	95.6%	99.1%
EFA201155	MAV103395	50%	99.4%	89.6%
EFA201155	MBV102321	50%	95.8%	87.6%
EFA201155	MLP100989	48%	99.4%	88.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201155	MTU202878	50%	95.8%	87.6%
EFA201155	MGE100048	39%	90.5%	95.3%
EFA201155	MPN100093	40%	94.9%	98.7%
EFA201155	NGO101772	47%	95.3%	98.5%
EFA201155	NME202026	48%	95.3%	98.5%
EFA201155	PMU101183	51%	96.0%	99.1%
EFA201155	PRT100858	47%	95.1%	99.8%
EFA201155	PAE203743	49%	94.5%	99.1%
EFA201155	PPU107798	49%	95.3%	99.8%
EFA201155	PSY103783	48%	95.3%	99.8%
EFA201155	SPA101887	46%	74.4%	100%
EFA201155	STY102223	50%	95.1%	99.8%
EFA201155	STM103011	23%	19.9%	21.7%
EFA201155	SAU801237	58%	97.9%	98.7%
EFA201155	SEP201530	58%	97.9%	98.7%
EFA201155	SMU100253	65%	100%	99.2%
EFA201155	SPN401165	64%	100%	99.6%
EFA201155	SPY200915	64%	100%	99.6%
EFA201155	TPA100412	43%	90.5%	95.1%
EFA201155	UUR100090	43%	89.6%	94.2%
EFA201155	VCH100550	49%	95.6%	98.5%
EFA201155	YPS003448	50%	95.1%	99.8%
EFA201163	ABA100463	48%	81.3%	91.6%
EFA201163	BFR103669	58%	100%	42.9%
EFA201163	BPT101149	44%	79.1%	86.0%
EFA201163	BBU100694	54%	93.4%	98.8%
EFA201163	BCE101287	50%	81.3%	89.3%
EFA201163	BFU106133	50%	81.3%	68.2%
EFA201163	BMA105933	50%	81.3%	89.3%
EFA201163	CJU100660	51%	79.1%	96%
EFA201163	CPN200645	39%	83.5%	63.0%
EFA201163	CTR200290	35%	100%	79.3%
EFA201163	CAC102507	62%	87.9%	98.8%
EFA201163	CBO102241	60%	90.1%	96.5%
EFA201163	CDF104187	55%	98.9%	96.8%
EFA201163	CDP101155	43%	90.1%	52.2%
EFA201163	EFA201163	100%	100%	100%
EFA201163	ECO102556	47%	81.3%	92.7%
EFA201163	HIN100194	52%	81.3%	92.7%
EFA201163	HPY101134	45%	79.1%	94.7%
EFA201163	KPN203248	50%	74.7%	95.9%
EFA201163	LPN102433	47%	81.3%	88.4%
EFA201163	LMO101675	71%	95.6%	96.7%
EFA201163	MCA100471	51%	79.1%	90.2%
EFA201163	MAV103402	46%	90.1%	48.2%
EFA201163	MBV102277	43%	90.1%	50.6%
EFA201163	MLP100988	42%	90.1%	51.2%
EFA201163	MTU202871	43%	90.1%	50.6%
EFA201163	MGE100455	46%	91.2%	93.3%
EFA201163	MPN100182	45%	86.8%	89.8%
EFA201163	NGO102008	49%	82.4%	95.1%
EFA201163	NME200735	49%	82.4%	95.1%
EFA201163	PRT100822	54%	74.7%	72.9%
EFA201163	PAE203742	48%	79.1%	89.2%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201163	PPU107799	52%	81.3%	69.7%
EFA201163	PSY103786	43%	91.2%	92.9%
EFA201163	SPA101888	46%	81.3%	74.5%
EFA201163	STY102221	46%	81.3%	92.7%
EFA201163	SAU801238	65%	98.9%	100%
EFA201163	SEP201531	64%	98.9%	100%
EFA201163	SHA102521	80%	46.2%	82.4%
EFA201163	SMU100800	76%	100%	100%
EFA201163	SPN400682	80%	95.6%	96.7%
EFA201163	SPY200625	78%	95.6%	96.7%
EFA201163	TPA100895	56%	81.3%	61.0%
EFA201163	UUR100575	48%	97.8%	86.1%
EFA201163	VCH100551	52%	79.1%	90.2%
EFA201163	YPS003446	49%	82.4%	92.7%
EFA201165	BBU100695	39%	91.4%	90.2%
EFA201165	CJU100661	26%	91.4%	93.8%
EFA201165	CPN200025	43%	96.3%	100%
EFA201165	CTR200030	48%	93.8%	97.4%
EFA201165	CAC101280	38%	92.6%	100%
EFA201165	CBO100415	44%	92.6%	100%
EFA201165	CDF104379	48%	96.3%	100%
EFA201165	EFA201165	100%	100%	100%
EFA201165	HPY101133	28%	67.9%	48.7%
EFA201165	LMO100358	56%	93.8%	100%
EFA201165	MAV103400	28%	93.8%	91.2%
EFA201165	MBV102280	29%	96.3%	93.8%
EFA201165	MLP100987	27%	93.8%	91.2%
EFA201165	MTU202870	29%	96.3%	93.8%
EFA201165	SMU101983	53%	100%	97.5%
EFA201165	SPN400683	49%	100%	100%
EFA201165	SPY200626	53%	100%	100%
EFA201165	TPA100896	36%	92.6%	93.8%
EFA201204	ABA100431	36%	97.1%	98.7%
EFA201204	BAN104776	58%	98.4%	97.9%
EFA201204	BFU113278	34%	97.1%	89.7%
EFA201204	CTR200096	38%	95.5%	93.4%
EFA201204	CAC103133	47%	97.5%	97.5%
EFA201204	CBO100292	54%	96.7%	98.3%
EFA201204	CDF102819	53%	97.5%	97.9%
EFA201204	EBC102915	40%	95.5%	96.6%
EFA201204	EFA201204	100%	100%	100%
EFA201204	EFM200797	64%	98.0%	100%
EFA201204	ECO102142	41%	95.5%	98.3%
EFA201204	HIN101215	39%	96.7%	99.1%
EFA201204	KPN301779	41%	98.4%	97.9%
EFA201204	LMO101945	62%	98.0%	100%
EFA201204	MCA103178	36%	96.3%	99.6%
EFA201204	NGO100244	33%	92.6%	97.0%
EFA201204	NME201373	33%	92.6%	97.0%
EFA201204	PMU100003	39%	95.5%	97.8%
EFA201204	PRT101140	39%	96.7%	98.3%
EFA201204	PAE200732	38%	95.5%	98.7%
EFA201204	PPU103373	37%	95.5%	98.7%
EFA201204	SPA100233	41%	95.5%	98.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201204	STY104331	41%	95.5%	98.3%
EFA201204	SAU801753	47%	98.0%	100%
EFA201204	SEP202114	45%	97.1%	99.6%
EFA201204	SHA101326	48%	97.1%	99.6%
EFA201204	SPN400256	56%	97.1%	98.3%
EFA201204	SPY201026	53%	97.5%	97.1%
EFA201204	VCH101608	43%	96.7%	99.1%
EFA201204	YPS000335	40%	95.5%	96.6%
EFA201208	ABA100927	25%	89.2%	90.8%
EFA201208	BAN109007	28%	92.3%	97.5%
EFA201208	BAN102528	30%	79.3%	93.5%
EFA201208	BAN108968	31%	89.8%	94.1%
EFA201208	BAN109347	31%	92.3%	94.7%
EFA201208	BFR11372	28%	91.5%	94.8%
EFA201208	BBU100200	26%	86.8%	88.2%
EFA201208	BCE108649	27%	71.7%	92.6%
EFA201208	BFU100823	27%	87.8%	89.0%
EFA201208	BMA100072	29%	75.6%	75.7%
EFA201208	CJU101547	29%	81.7%	90.6%
EFA201208	CPN200331	32%	87.8%	90.9%
EFA201208	CTR200533	28%	82.3%	84.2%
EFA201208	CAC101131	27%	87.6%	91.3%
EFA201208	CAC103376	36%	91.9%	94.8%
EFA201208	CBO100064	33%	88.2%	91.7%
EFA201208	CDF102952	30%	88.8%	92.1%
EFA201208	CDP101281	29%	90.6%	95.5%
EFA201208	EBC102573	27%	82.7%	85.7%
EFA201208	EFA201208	100%	100%	100%
EFA201208	EFM201835	62%	99.6%	100%
EFA201208	ECO100085	27%	91.1%	94.7%
EFA201208	HIN101107	27%	91.7%	96.3%
EFA201208	HPY101473	28%	76.0%	83.9%
EFA201208	KPN301847	26%	82.7%	85.7%
EFA201208	LPN100418	39%	25.8%	79.6%
EFA201208	LMO101113	29%	88.2%	90.8%
EFA201208	MCA100819	27%	76.6%	73.7%
EFA201208	MAV104018	33%	79.5%	76.9%
EFA201208	MBV100072	32%	65.2%	74.5%
EFA201208	MLP100564	29%	83.3%	79.1%
EFA201208	MTU202124	32%	78.3%	73.6%
EFA201208	NGO100606	28%	81.3%	82.9%
EFA201208	NME201913	28%	81.3%	82.9%
EFA201208	PMU100137	26%	91.5%	95.1%
EFA201208	PRT102626	28%	89.8%	94.7%
EFA201208	PAE204415	28%	89.6%	93.0%
EFA201208	PPU105954	30%	88.4%	91.7%
EFA201208	PSY107311	29%	89.6%	93.0%
EFA201208	SPA102754	25%	89.0%	92.7%
EFA201208	STY103171	28%	89.0%	92.5%
EFA201208	STM102863	28%	89.0%	92.5%
EFA201208	SAU801018	27%	92.5%	94.5%
EFA201208	SEP200270	27%	92.1%	94.1%
EFA201208	SHA101090	27%	91.9%	93.9%
EFA201208	SMU100386	52%	90.9%	91.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201208	SPN401383	49%	98.8%	99.8%
EFA201208	SPY200283	50%	98.8%	99.8%
EFA201208	TPA100923	27%	86.8%	89.1%
EFA201208	VCH102371	26%	94.1%	93.2%
EFA201208	YPS000993	27%	88.6%	93.1%
EFA201312	ABA100914	31%	100%	95.4%
EFA201312	BAN112047	50%	93.8%	96.0%
EFA201312	BAN107884	51%	100%	100%
EFA201312	BFR11934	34%	99.0%	96.7%
EFA201312	BPT102002	31%	100%	92.9%
EFA201312	BBU100444	26%	92.4%	88.0%
EFA201312	BCE111090	32%	97.6%	92.3%
EFA201312	BFU111409	33%	100%	92.7%
EFA201312	BMA102172	32%	97.6%	92.3%
EFA201312	CJU100558	29%	99.0%	96.9%
EFA201312	CAC101944	58%	99.3%	99.7%
EFA201312	CBO101667	38%	99.3%	99.0%
EFA201312	CDF100408	37%	99.7%	99.6%
EFA201312	CDF101639	38%	100%	97.9%
EFA201312	CDP101376	28%	91.7%	91.3%
EFA201312	EBC103878	36%	99.7%	97.6%
EFA201312	EFA201312	100%	100%	100%
EFA201312	EFM201881	91%	59.5%	82.7%
EFA201312	ECO103069	37%	99.7%	99.0%
EFA201312	HIN100503	26%	96.5%	94.7%
EFA201312	HPY100173	36%	99.0%	99.3%
EFA201312	KPN306125	42%	99.0%	99.3%
EFA201312	LMO100774	51%	100%	100%
EFA201312	MCA100353	32%	100%	95.4%
EFA201312	MAV105904	30%	19.0%	17.6%
EFA201312	MBV102190	29%	92.0%	91.6%
EFA201312	MLP100198	29%	97.9%	96.2%
EFA201312	MTU200362	29%	92.0%	91.6%
EFA201312	MGE100023	51%	96.9%	97.2%
EFA201312	MPN100129	53%	99.3%	99.7%
EFA201312	NGO101574	32%	91.7%	86.2%
EFA201312	NME200544	32%	92.0%	86.4%
EFA201312	PMU101373	33%	100%	98.0%
EFA201312	PRT102752	37%	94.1%	94.0%
EFA201312	PAE200554	30%	100%	92.9%
EFA201312	PPU104672	31%	100%	94.3%
EFA201312	PSY100210	32%	100%	92.9%
EFA201312	SPA103912	38%	94.1%	94.0%
EFA201312	STY100942	38%	94.1%	94.0%
EFA201312	STM101386	38%	94.1%	94.0%
EFA201312	SAU802125	48%	100%	99.7%
EFA201312	SEP201915	48%	100%	99.7%
EFA201312	SHA101918	48%	100%	99.6%
EFA201312	SMU101408	69%	100%	100%
EFA201312	SPN400530	71%	100%	100%
EFA201312	SPY201455	70%	100%	100%
EFA201312	TPA100654	33%	99.3%	97.6%
EFA201312	UUR100603	50%	99.3%	98.6%
EFA201312	VCH100473	27%	95.5%	93.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201312	YPS000084	39%	99.7%	99.6%
EFA201375	ABA105021	27%	57.4%	76.1%
EFA201375	BAN112531	51%	72.1%	91.1%
EFA201375	BAN105862	50%	72.1%	93.6%
EFA201375	EFA201375	100%	100%	100%
EFA201375	EFM101838	71%	70.6%	100%
EFA201375	LMO102887	54%	72.1%	87.6%
EFA201375	SAU801446	40%	73.5%	96.5%
EFA201375	SEP200408	42%	73.5%	96.4%
EFA201375	SHA102651	40%	73.5%	96.4%
EFA201375	SMU101487	50%	77.9%	100%
EFA201375	SPN400332	46%	76.5%	91.2%
EFA201375	SPY201268	52%	77.9%	100%
EFA201379	ABA102299	53%	98.7%	98.5%
EFA201379	BAN109892	62%	98.7%	99.6%
EFA201379	BAN105788	76%	100%	100%
EFA201379	BFR11358	51%	98.7%	99.1%
EFA201379	BPT101706	51%	100%	99.3%
EFA201379	BBU100574	44%	98.5%	99.1%
EFA201379	BCE101396	52%	100%	99.3%
EFA201379	BFU102359	51%	100%	98.4%
EFA201379	BMA102378	51%	100%	99.1%
EFA201379	CJU100027	52%	98.7%	98.5%
EFA201379	CPN200516	48%	98.5%	97.8%
EFA201379	CTR200448	47%	98.5%	97.8%
EFA201379	CAC102177	62%	99.4%	99.4%
EFA201379	CBO103313	63%	99.3%	99.6%
EFA201379	EBC102296	54%	98.5%	98.0%
EFA201379	EFA201379	100%	100%	100%
EFA201379	EFM200622	90%	100%	100%
EFA201379	ECO102720	53%	98.5%	98.0%
EFA201379	HIN101052	55%	99.1%	98.5%
EFA201379	HPY100345	48%	98.7%	98.9%
EFA201379	KPN305112	54%	98.5%	92.9%
EFA201379	LPN101405	54%	100%	99.4%
EFA201379	LMO100139	73%	99.4%	100%
EFA201379	MCA101097	51%	99.6%	99.6%
EFA201379	MAV102050	54%	99.3%	92.8%
EFA201379	MBV105357	53%	92.7%	93.2%
EFA201379	MLP100845	53%	99.8%	92.2%
EFA201379	MTU201678	54%	99.3%	92.3%
EFA201379	NGO101273	51%	99.8%	100%
EFA201379	NME201601	51%	99.8%	100%
EFA201379	PMU101872	55%	99.4%	99.4%
EFA201379	PRT105301	56%	98.5%	98.0%
EFA201379	PAE203635	52%	98.9%	98.9%
EFA201379	PPU101175	53%	99.4%	99.4%
EFA201379	PSY108013	52%	99.6%	99.4%
EFA201379	SPA104183	52%	91.2%	100%
EFA201379	STY103510	54%	98.5%	98.0%
EFA201379	SAU802127	67%	100%	100%
EFA201379	SEP201917	67%	98.9%	99.1%
EFA201379	SHA101916	67%	98.7%	98.9%
EFA201379	SMU101407	78%	99.8%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201379	SPN400438	79%	99.1%	99.3%
EFA201379	SPY201457	78%	99.3%	99.6%
EFA201379	TPA100302	45%	99.4%	99.1%
EFA201379	UUR100286	41%	99.6%	98.0%
EFA201379	VCH102412	54%	98.5%	98.0%
EFA201379	YPS000130	54%	98.5%	98.0%
EFA201401	ABA103339	32%	63.1%	63.4%
EFA201401	BAN112582	58%	100%	98.0%
EFA201401	BAN103160	70%	100%	97.1%
EFA201401	BFR104214	34%	44.2%	82.7%
EFA201401	BPT100459	33%	60.9%	61.5%
EFA201401	BCE103325	33%	60.9%	61.1%
EFA201401	BFU107045	33%	60.9%	61.1%
EFA201401	BMA103602	34%	60.9%	61.1%
EFA201401	CAC102377	54%	98.3%	96.6%
EFA201401	CBO103048	55%	99.1%	97.5%
EFA201401	CDF100334	54%	99.6%	97.5%
EFA201401	EBC102483	34%	61.8%	62.0%
EFA201401	EFA201401	100%	100%	100%
EFA201401	EFM200481	60%	100%	100%
EFA201401	ECO100166	34%	61.8%	62.0%
EFA201401	HIN101600	33%	61.8%	56.1%
EFA201401	KPN304185	33%	61.8%	62.2%
EFA201401	LPN101240	31%	60.9%	60.9%
EFA201401	LMO101801	67%	100%	98.7%
EFA201401	MCA102141	33%	63.9%	64.1%
EFA201401	NGO101587	32%	72.1%	74.7%
EFA201401	NME201990	32%	72.1%	74.7%
EFA201401	PMU100658	33%	61.8%	62.0%
EFA201401	PRT101208	33%	61.8%	62.0%
EFA201401	PAE203850	32%	51.1%	58.5%
EFA201401	PSY104618	36%	52.8%	54.0%
EFA201401	SPA102652	33%	61.8%	62.3%
EFA201401	STY103844	34%	61.8%	62.0%
EFA201401	SAU801397	62%	100%	97.5%
EFA201401	SEP202107	61%	100%	97.1%
EFA201401	SHA100970	62%	100%	97.5%
EFA201401	SMU100640	61%	100%	97.8%
EFA201401	SPN401904	62%	100%	97.8%
EFA201401	VCH100907	45%	40.3%	66.4%
EFA201401	YPS001119	34%	61.8%	62.0%
EFA201433	ABA103721	36%	77.8%	78.9%
EFA201433	BAN108866	41%	90.5%	100%
EFA201433	BAN105656	48%	97.1%	98.9%
EFA201433	BAN100164	48%	91.6%	90.6%
EFA201433	BAN103658	58%	97.1%	98.9%
EFA201433	BFR102236	37%	94.9%	95.7%
EFA201433	BPT101248	21%	45.1%	52.0%
EFA201433	BBU100100	24%	71.3%	72.8%
EFA201433	BCE107277	34%	70.5%	92.3%
EFA201433	BFU109172	32%	84.7%	90.7%
EFA201433	BMA106607	32%	93.5%	88.6%
EFA201433	CJU101558	34%	91.3%	98%
EFA201433	CAC101362	35%	79.6%	85.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201433	CBO102188	33%	79.3%	83.5%
EFA201433	CDF101024	42%	96.4%	98.5%
EFA201433	CDP101353	45%	92.4%	95.1%
EFA201433	EBC101695	31%	77.8%	83.1%
EFA201433	EFA201433	100%	100%	100%
EFA201433	EFM201002	70%	98.5%	97.8%
EFA201433	ECO103873	30%	77.8%	74.7%
EFA201433	HIN101705	34%	76.7%	78.8%
EFA201433	HPY100542	35%	90.5%	98.4%
EFA201433	KPN308897	30%	74.9%	86.0%
EFA201433	LPN100405	38%	96.7%	95.0%
EFA201433	LMO101688	57%	96.4%	99.2%
EFA201433	MCA100045	32%	85.5%	83.9%
EFA201433	MAV103533	42%	90.9%	92%
EFA201433	MBV101876	40%	94.5%	95.6%
EFA201433	MLP100726	40%	94.5%	96.0%
EFA201433	MTU201321	40%	94.5%	95.6%
EFA201433	NGO101679	37%	97.5%	98.9%
EFA201433	NME201872	38%	97.5%	98.9%
EFA201433	PMU100917	32%	82.5%	84.8%
EFA201433	PRT105607	31%	77.1%	74.7%
EFA201433	PAE204659	34%	89.1%	91.7%
EFA201433	PPU109719	34%	88.7%	91.3%
EFA201433	PSY106535	37%	77.8%	77.8%
EFA201433	SPA103848	43%	16%	35.5%
EFA201433	STY102718	31%	77.8%	83.1%
EFA201433	STM102035	31%	77.8%	76.3%
EFA201433	SAU801151	50%	91.3%	94.4%
EFA201433	SEP200875	50%	91.6%	94.4%
EFA201433	SHA100464	49%	91.6%	94.7%
EFA201433	SMU100491	61%	90.5%	93.9%
EFA201433	SPN401694	58%	90.5%	93.9%
EFA201433	SPY200261	59%	90.5%	93.9%
EFA201433	TPA100402	27%	72.4%	75%
EFA201433	VCH100156	33%	93.5%	91.7%
EFA201433	YPS001748	31%	77.1%	74.6%
EFA201457	ABA102495	35%	90.6%	100%
EFA201457	BAN109820	36%	78.7%	80.6%
EFA201457	BAN101919	46%	100%	99.9%
EFA201457	BFR11118	37%	100%	100%
EFA201457	BPT100285	31%	99.3%	99.1%
EFA201457	BBU100513	23%	36.1%	48.8%
EFA201457	BCE101979	32%	97.4%	97.4%
EFA201457	BFU107151	28%	43.4%	99.2%
EFA201457	BMA101914	31%	99.3%	99.1%
EFA201457	CJU100827	27%	98.9%	99.0%
EFA201457	CPN200152	27%	95.5%	95.1%
EFA201457	CTR200749	29%	98.1%	97.7%
EFA201457	CAC101148	34%	100%	100%
EFA201457	CBO103321	37%	100%	99.9%
EFA201457	CDF100484	38%	32.8%	100%
EFA201457	CDF103760	35%	100%	99.7%
EFA201457	CDP100987	31%	97.4%	97.4%
EFA201457	EBC102988	36%	72.2%	99.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201457	EFA201457	100%	100%	100%
EFA201457	EFM200867	72%	100%	100%
EFA201457	ECO101681	35%	100%	99.9%
EFA201457	HIN101278	36%	100%	99.9%
EFA201457	HPY100398	26%	100%	99.9%
EFA201457	KPN301695	35%	100%	99.9%
EFA201457	LPN100643	33%	100%	99.9%
EFA201457	LMO101759	47%	100%	100%
EFA201457	MCA100197	35%	100%	99.9%
EFA201457	MAV106542	29%	100%	99.9%
EFA201457	MBV101271	29%	74.3%	93.7%
EFA201457	MLP100870	28%	99.3%	99.0%
EFA201457	MTU201629	28%	99.3%	99.2%
EFA201457	MGE100197	23%	89.6%	89.6%
EFA201457	MPN100048	24%	98.9%	99.8%
EFA201457	NGO101903	36%	98.4%	98.3%
EFA201457	NME200861	35%	98.4%	98.3%
EFA201457	PMU100629	36%	100%	99.9%
EFA201457	PRT101304	34%	100%	99.9%
EFA201457	PAE202737	34%	100%	99.9%
EFA201457	PPU103715	33%	100%	99.9%
EFA201457	PSY100068	32%	100%	99.9%
EFA201457	SPA100516	35%	77.3%	98.9%
EFA201457	STY101114	35%	100%	99.9%
EFA201457	STM103450	35%	100%	99.9%
EFA201457	SAU801139	45%	99.6%	99.8%
EFA201457	SEP200864	45%	100%	100%
EFA201457	SHA100442	48%	62.5%	94.9%
EFA201457	SMU100476	60%	5.7%	100%
EFA201457	SMU100483	56%	100%	100%
EFA201457	SPN400509	57%	100%	100%
EFA201457	SPY200565	55%	100%	100%
EFA201457	TPA100014	25%	38.5%	49.5%
EFA201457	UUR100462	23%	92.2%	93.0%
EFA201457	VCH101201	34%	98.9%	98.7%
EFA201457	YPS003055	34%	100%	99.9%
EFA201460	ABA105548	22%	68.7%	69.3%
EFA201460	BAN111196	33%	97.8%	99.9%
EFA201460	BAN105909	37%	98.7%	99.9%
EFA201460	BBU100632	22%	67.9%	69.1%
EFA201460	BMA105524	21%	93.2%	91.2%
EFA201460	CTR200007	23%	94.9%	95.4%
EFA201460	CAC103739	31%	97.7%	99.4%
EFA201460	CBO101540	33%	97.2%	99.1%
EFA201460	CDF102097	31%	97.1%	99.2%
EFA201460	EBC102605	22%	18.9%	17.3%
EFA201460	EFA201460	100%	100%	100%
EFA201460	EFM200194	56%	98.3%	99.6%
EFA201460	ECO102757	21%	67.3%	66.9%
EFA201460	KPN305144	22%	21.4%	21.4%
EFA201460	LPN101834	24%	22.1%	34.4%
EFA201460	LMO102657	38%	98.8%	99.7%
EFA201460	PRT102297	21%	67.3%	65.6%
EFA201460	PAE204282	22%	67.7%	67.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201460	PPU101093	22%	67.7%	67.2%
EFA201460	PSY102740	23%	67.7%	67.4%
EFA201460	SAU800967	32%	98.2%	99.8%
EFA201460	SEP200182	32%	98.3%	99.3%
EFA201460	SHA101673	32%	97.1%	98.0%
EFA201460	SMU100467	32%	97.1%	97.0%
EFA201460	SPN401040	33%	96.9%	96.9%
EFA201460	SPY200572	30%	97.7%	97.6%
EFA201506	BAN101235	49%	100%	100%
EFA201506	BAN102202	70%	100%	98.8%
EFA201506	BFR11955	43%	100%	100%
EFA201506	BBU100503	43%	99.2%	99.8%
EFA201506	CJU101134	44%	99.8%	100%
EFA201506	CAC102280	58%	99.2%	98.8%
EFA201506	CBO100216	48%	45.2%	99.1%
EFA201506	CDF100051	80%	21.8%	93.4%
EFA201506	CDF100869	59%	99.4%	97.7%
EFA201506	EFA201506	100%	100%	100%
EFA201506	EFM100483	88%	97.9%	100%
EFA201506	ECO201319	29%	18.0%	31.4%
EFA201506	ECO201260	31%	15.8%	35.8%
EFA201506	HPY100747	38%	84.4%	93.5%
EFA201506	LMO101581	73%	100%	99.6%
EFA201506	MGE100132	29%	46.3%	49.8%
EFA201506	MPN100564	24%	68.3%	70.4%
EFA201506	PSY102419	23%	25.1%	40.5%
EFA201506	SAU801286	65%	99.8%	99.6%
EFA201506	SEP201589	64%	99.8%	99.6%
EFA201506	SHA101288	65%	99.8%	99.6%
EFA201506	SMU101495	61%	99.8%	100%
EFA201506	SPN401582	59%	99.8%	99.6%
EFA201506	SPY201258	60%	99.8%	100%
EFA201506	TPA101008	47%	100%	100%
EFA201506	UUR100083	32%	84.6%	92.2%
EFA201507	BAN112473	63%	37.7%	100%
EFA201507	BAN113311	51%	58.5%	100%
EFA201507	BAN107300	64%	100%	100%
EFA201507	BBU100504	38%	96.6%	97.7%
EFA201507	EFA201507	100%	100%	100%
EFA201507	EFM201335	81%	100%	100%
EFA201507	LMO102094	66%	99.2%	98.9%
EFA201507	MGE100250	37%	98.1%	94.0%
EFA201507	MPN100487	36%	98.9%	94.7%
EFA201507	SAU801288	59%	99.2%	98.9%
EFA201507	SEP201596	58%	99.6%	99.6%
EFA201507	SHA101290	58%	100%	100%
EFA201507	UUR100505	38%	97.7%	99.6%
EFA201512	ABA100157	49%	95.7%	100%
EFA201512	BAN112499	75%	46.1%	97.4%
EFA201512	BAN106136	50%	97.2%	99.4%
EFA201512	BAN101660	70%	98.5%	99.7%
EFA201512	BFR10407	48%	94.1%	95.8%
EFA201512	BPT100617	54%	95.0%	97.2%
EFA201512	BBU100543	29%	87.6%	76.6%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201512	BCE112713	54%	98.5%	99.1%
EFA201512	BFU100079	55%	95.7%	97.2%
EFA201512	BMA100055	56%	95.7%	97.2%
EFA201512	CJU100848	52%	95.4%	98.4%
EFA201512	CAC100050	58%	96.0%	97.2%
EFA201512	CBO100851	61%	96.0%	97.5%
EFA201512	CDF100459	64%	95.7%	97.8%
EFA201512	CDP100215	45%	96.0%	95.4%
EFA201512	EBC101345	50%	96.6%	99.4%
EFA201512	EFA201512	100%	100%	100%
EFA201512	EFM200023	93%	100%	100%
EFA201512	ECO101180	50%	96.6%	99.4%
EFA201512	HIN101576	51%	96.3%	99.4%
EFA201512	HPY100730	51%	95.4%	95.6%
EFA201512	KPN303464	50%	96.6%	99.4%
EFA201512	LPN101587	49%	95.7%	98.4%
EFA201512	LMO100583	75%	98.8%	100%
EFA201512	MCA100701	47%	96.0%	98.7%
EFA201512	MAV105952	45%	98.8%	99.1%
EFA201512	MBV105572	45%	95.4%	98.7%
EFA201512	MLP100179	44%	96.0%	95.4%
EFA201512	MTU201006	45%	98.8%	99.1%
EFA201512	MGE100060	46%	86.4%	94.9%
EFA201512	MPN100082	45%	95.4%	75.8%
EFA201512	NGO101084	52%	95.7%	94.5%
EFA201512	NME201007	52%	95.7%	94.5%
EFA201512	PMU100244	50%	96.3%	99.4%
EFA201512	PRT101362	50%	96.6%	99.4%
EFA201512	PAE204667	50%	96.0%	99.0%
EFA201512	PPU104089	51%	75.9%	99.6%
EFA201512	PSY102431	49%	96.0%	99.0%
EFA201512	SPA100616	49%	96.6%	99.7%
EFA201512	STY101673	50%	96.6%	99.4%
EFA201512	STM101478	50%	96.6%	99.4%
EFA201512	SAU800500	68%	98.8%	99.7%
EFA201512	SEP201833	67%	98.8%	99.7%
EFA201512	SHA100895	70%	70.3%	99.6%
EFA201512	SMU101229	72%	96.0%	96.9%
EFA201512	SPN400028	73%	97.2%	93.2%
EFA201512	SPY200014	73%	96.9%	98.4%
EFA201512	TPA100291	30%	87.3%	74.1%
EFA201512	UUR100193	46%	91.3%	89.7%
EFA201512	VCH102150	51%	96.3%	99.4%
EFA201512	YPS003242	50%	96.6%	99.4%
EFA201523	BFU107317	30%	81.4%	93.2%
EFA201523	EFA201523	100%	100%	100%
EFA201523	EFM201546	28%	81.6%	94.1%
EFA201523	MBV105206	36%	83.3%	57.5%
EFA201523	MTU201973	36%	83.3%	57.5%
EFA201523	PRT101425	52%	88.6%	89.5%
EFA201523	PAE109042	27%	10.8%	39.4%
EFA201601	ABA102251	41%	76.7%	90.2%
EFA201601	BAN106145	55%	69.2%	100%
EFA201601	BAN102864	60%	72.9%	97.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201601	BFR103244	46%	69.9%	96.6%
EFA201601	BPT103145	44%	72.6%	53.0%
EFA201601	BBU100076	39%	63.8%	96.8%
EFA201601	BCE109396	43%	73.8%	92.3%
EFA201601	BFU100592	38%	91.0%	90.2%
EFA201601	BMA103170	37%	97.7%	91.2%
EFA201601	CJU101131	40%	66.7%	95.1%
EFA201601	CPN200871	37%	65.8%	97.2%
EFA201601	CTR200202	37%	64.7%	96.8%
EFA201601	CAC103551	51%	68.3%	98.0%
EFA201601	CBO103745	50%	68.3%	98.0%
EFA201601	CDF101891	43%	95.5%	95.8%
EFA201601	CDP101168	39%	91.6%	80.0%
EFA201601	EBC104170	39%	98.2%	97.7%
EFA201601	EFA201601	100%	100%	100%
EFA201601	EFM200001	86%	2.3%	32.5%
EFA201601	ECO103387	41%	93.2%	85.1%
EFA201601	HIN100748	42%	82.6%	88.2%
EFA201601	HPY100750	39%	59.7%	86.7%
EFA201601	KPN308256	38%	95.5%	94.1%
EFA201601	LMO101591	66%	70.1%	94.2%
EFA201601	MCA101469	42%	68.3%	95.5%
EFA201601	MAV103813	41%	84.4%	83.9%
EFA201601	MBV100063	33%	75.1%	91.0%
EFA201601	MLP100992	40%	90.7%	90.5%
EFA201601	MTU202883	38%	91.4%	91.2%
EFA201601	MGE100303	41%	73.1%	93.4%
EFA201601	MPN100416	43%	72.4%	92.0%
EFA201601	NME200274	37%	97.7%	98.8%
EFA201601	PMU101519	40%	95.5%	89.5%
EFA201601	PRT100781	42%	31.4%	3.8%
EFA201601	PAE200372	39%	96.8%	93.4%
EFA201601	PPU102117	38%	93.4%	81.6%
EFA201601	PSY102772	42%	86.4%	72.3%
EFA201601	SPA100292	52%	47.1%	83.5%
EFA201601	STY101273	40%	96.4%	88.6%
EFA201601	SAU801235	48%	99.5%	94.0%
EFA201601	SEP201528	47%	99.5%	94.9%
EFA201601	SHA101742	53%	84.8%	92.6%
EFA201601	SMU100011	49%	97.3%	84.1%
EFA201601	SPN401122	52%	99.3%	100%
EFA201601	SPY200409	48%	97.1%	82.4%
EFA201601	TPA100571	40%	65.4%	96.3%
EFA201601	UUR100140	42%	74.9%	96.6%
EFA201601	VCH100146	42%	86.4%	93.6%
EFA201601	YPS000724	39%	97.5%	84.5%
EFA201611	ABA104194	46%	97.0%	100%
EFA201611	BAN100780	55%	98.8%	98.2%
EFA201611	BAN104280	65%	98.4%	97.5%
EFA201611	BPT102115	45%	97.7%	99.5%
EFA201611	BBU100471	33%	97.5%	96.6%
EFA201611	BCE107676	46%	91.0%	99.7%
EFA201611	BFU102916	47%	97.0%	91.8%
EFA201611	BMA104589	46%	96.8%	92.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201611	CJU100797	43%	95.4%	98.3%
EFA201611	CTR200730	37%	94.2%	96.6%
EFA201611	CAC103585	50%	96.8%	99.8%
EFA201611	CBO100954	54%	97.0%	100%
EFA201611	CDF100485	56%	30.9%	100%
EFA201611	CDF102163	57%	97.2%	98.6%
EFA201611	CDP101476	44%	96.5%	99.0%
EFA201611	EFA201611	100%	100%	100%
EFA201611	EFM201945	84%	99.8%	99.8%
EFA201611	ECO103119	48%	95.6%	98.3%
EFA201611	HIN101057	49%	94.7%	96.7%
EFA201611	HPY100640	43%	95.6%	98.3%
EFA201611	KPN301069	48%	95.6%	98.3%
EFA201611	LPN103006	46%	97.2%	99.8%
EFA201611	LMO101018	69%	98.2%	98.1%
EFA201611	MCA100762	46%	94.9%	97.9%
EFA201611	MAV102894	43%	52.0%	99.6%
EFA201611	MBV100208	45%	96.5%	99.0%
EFA201611	MLP100716	44%	96.5%	99.0%
EFA201611	MTU201298	45%	96.5%	99.0%
EFA201611	NGO102024	46%	94.9%	97.8%
EFA201611	NME200242	47%	94.9%	97.8%
EFA201611	PMU100180	48%	96.3%	98.1%
EFA201611	PAE204448	48%	96.8%	99.5%
EFA201611	PPU109849	47%	96.8%	99.5%
EFA201611	PSY104793	45%	88.2%	98.7%
EFA201611	SPA100481	46%	44.1%	100%
EFA201611	STY101491	48%	95.6%	98.3%
EFA201611	SAU802100	58%	83.8%	94.8%
EFA201611	SEP202410	61%	97.0%	99.8%
EFA201611	SHA101060	60%	77.8%	100%
EFA201611	SMU100515	68%	97.5%	100%
EFA201611	SPN401779	65%	97.5%	99.5%
EFA201611	SPY200561	65%	97.2%	99.8%
EFA201611	TPA100028	32%	94.2%	97.4%
EFA201637	ABA100552	25%	80.7%	94.4%
EFA201637	BPT101760	26%	78.3%	93.1%
EFA201637	BCE110544	32%	47.5%	84.5%
EFA201637	BFU105355	27%	71.5%	83.2%
EFA201637	BMA108998	27%	75.0%	88.7%
EFA201637	CPN201063	30%	6.2%	20.5%
EFA201637	CBO101137	58%	99.9%	98.8%
EFA201637	CDF104440	58%	99.9%	100%
EFA201637	EFA201637	100%	100%	100%
EFA201637	ECO102802	30%	79.2%	97.9%
EFA201637	MCA101640	35%	6.5%	25%
EFA201637	MBV100418	28%	76.5%	91.1%
EFA201637	MTU200372	28%	76.5%	91.1%
EFA201637	PAE201522	24%	72.9%	84.1%
EFA201637	PPU107262	24%	73.2%	86.8%
EFA201637	PSY103891	23%	72.9%	84.8%
EFA201637	SAU801149	32%	4.6%	45.5%
EFA201637	TPA100078	23%	42.6%	47.7%
EFA201645	ABA101872	24%	56.8%	50.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201645	BPT102102	21%	56.5%	37.4%
EFA201645	CBO101032	42%	92.3%	91.9%
EFA201645	CBO101859	42%	97.2%	95.3%
EFA201645	CDF100557	43%	91.2%	89.1%
EFA201645	EBC103454	32%	20.7%	42.8%
EFA201645	EFA201645	100%	100%	100%
EFA201645	LPN100916	24%	85.6%	91.5%
EFA201645	PRT105013	27%	50.9%	67.4%
EFA201645	PAE200544	25%	33.3%	22.1%
EFA201645	PPU108658	25%	49.8%	22.0%
EFA201645	PSY102151	29%	32.3%	36.9%
EFA201645	STY102026	27%	75.4%	81.2%
EFA201645	STM101769	28%	75.4%	81.2%
EFA201645	TPA100728	50%	92.6%	95%
EFA201645	YPS001677	24%	57.5%	69.8%
EFA201646	ABA100945	35%	94.3%	94.5%
EFA201646	BFR11247	51%	93.4%	57.7%
EFA201646	BPT102078	29%	94.9%	22.4%
EFA201646	BCE114722	33%	89.0%	89.0%
EFA201646	BFU108232	34%	90.0%	90.4%
EFA201646	BMA109760	30%	95.3%	91.9%
EFA201646	CJU100009	28%	94.3%	95.4%
EFA201646	CAC102748	36%	90.3%	97.6%
EFA201646	CBO101098	57%	96.2%	96.4%
EFA201646	CBO102837	58%	97.7%	99.3%
EFA201646	CDF102919	55%	97.2%	98.5%
EFA201646	EBC105166	33%	94.3%	95.1%
EFA201646	EFA201646	100%	100%	100%
EFA201646	ECO102823	36%	92.4%	68.5%
EFA201646	ECO102419	35%	93.0%	67.4%
EFA201646	KPN306735	37%	8.7%	20.2%
EFA201646	LMO100374	27%	96.2%	96.3%
EFA201646	MCA102847	25%	34.1%	20.7%
EFA201646	MAV104921	30%	94.1%	89.3%
EFA201646	MBV101949	30%	96.2%	93.6%
EFA201646	MLP100043	29%	94.1%	91.8%
EFA201646	MTU203803	30%	96.2%	93.6%
EFA201646	PRT105231	33%	96.2%	95.9%
EFA201646	PAE205030	36%	93.9%	93.1%
EFA201646	PPU102730	36%	94.1%	94.3%
EFA201646	PSY103728	35%	93.9%	94.1%
EFA201646	SPA100761	34%	94.3%	97.6%
EFA201646	STY101535	34%	94.3%	95.1%
EFA201646	STM101814	34%	94.3%	95.1%
EFA201646	SAU800473	28%	92.2%	92.6%
EFA201646	SEP201791	26%	96.8%	97.1%
EFA201646	SHA103074	28%	96.4%	96.7%
EFA201646	SMU101812	31%	98.3%	97.5%
EFA201646	TPA100727	42%	97.0%	89.4%
EFA201646	VCH102342	36%	94.1%	94.7%
EFA201646	YPS003815	36%	94.3%	95.1%
EFA201699	BCE110252	34%	68.0%	32.9%
EFA201699	BFU111005	29%	18.8%	36.7%
EFA201699	BFU103784	25%	20.3%	10.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201699	EBC103370	32%	15.7%	32.2%
EFA201699	EFA201699	100%	100%	100%
EFA201699	EFM200673	57%	99.7%	99.6%
EFA201699	KPN307953	24%	63.1%	31.1%
EFA201699	PAE201090	26%	89.2%	35.7%
EFA201699	PPU108292	36%	0.4%	32.1%
EFA201699	PSY104048	48%	80.4%	36.7%
EFA201699	VCH101614	30%	7.3%	19.1%
EFA201699	YPS001628	28%	28.5%	81.0%
EFA201749	ABA103622	38%	100%	100%
EFA201749	BAN106917	40%	100%	100%
EFA201749	BAN102903	57%	100%	100%
EFA201749	BFR105590	50%	8.3%	33.6%
EFA201749	BPT101720	37%	100%	100%
EFA201749	BCE109254	38%	100%	100%
EFA201749	BFU109440	43%	17.6%	78.6%
EFA201749	BFU103182	38%	100%	100%
EFA201749	BMA102722	38%	100%	100%
EFA201749	CJU101290	36%	100%	100%
EFA201749	CPN200876	38%	100%	100%
EFA201749	CTR200198	39%	100%	100%
EFA201749	CAC103586	43%	100%	100%
EFA201749	CBO102655	43%	100%	100%
EFA201749	CDF100284	42%	100%	100%
EFA201749	CDP100523	41%	96.2%	100%
EFA201749	EBC104245	39%	100%	100%
EFA201749	EFA201749	100%	100%	100%
EFA201749	EFM100811	66%	100%	100%
EFA201749	ECO103650	39%	100%	100%
EFA201749	HIN100409	40%	100%	100%
EFA201749	HPY101510	34%	100%	100%
EFA201749	KPN300721	40%	100%	100%
EFA201749	LPN102850	37%	100%	100%
EFA201749	LMO101794	59%	100%	100%
EFA201749	MCA103570	37%	100%	100%
EFA201749	MAV105640	38%	100%	96.1%
EFA201749	MBV101159	39%	97.2%	100%
EFA201749	MLP100237	38%	100%	100%
EFA201749	MTU203389	39%	100%	100%
EFA201749	NGO101887	38%	100%	100%
EFA201749	NME200260	38%	100%	100%
EFA201749	PMU101731	40%	100%	100%
EFA201749	PRT104794	40%	100%	100%
EFA201749	PAE205544	39%	100%	100%
EFA201749	PPU102151	40%	100%	100%
EFA201749	PSY103460	39%	100%	100%
EFA201749	SPA101582	36%	100%	100%
EFA201749	STY103864	40%	100%	100%
EFA201749	SAU802154	58%	100%	100%
EFA201749	SEP201962	59%	100%	100%
EFA201749	SHA100979	59%	100%	100%
EFA201749	SMU101007	60%	100%	100%
EFA201749	SPN400245	63%	100%	100%
EFA201749	SPY200983	59%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201749	TPA100852	35%	100%	100%
EFA201749	VCH100482	37%	100%	100%
EFA201749	YPS003544	40%	100%	100%
EFA201801	BAN110308	43%	90.7%	92.0%
EFA201801	BAN106306	58%	97.7%	98.6%
EFA201801	EFA201801	100%	100%	100%
EFA201801	EFM100902	78%	99.4%	99.9%
EFA201801	LMO102776	58%	97.3%	96.9%
EFA201801	MGE100206	40%	89.6%	92.2%
EFA201801	MPN100031	38%	91.2%	93.9%
EFA201801	SAU801355	56%	97.7%	99.2%
EFA201801	SEP202031	55%	97.2%	98.8%
EFA201801	SHA100827	56%	96.6%	99.7%
EFA201801	SMU101036	60%	95.7%	98.8%
EFA201801	SPN400757	59%	98.9%	99.3%
EFA201801	SPY200681	59%	97.3%	99.0%
EFA201801	UUR100472	40%	87.4%	84%
EFA201826	ABA104082	28%	92.8%	90.4%
EFA201826	BAN105157	34%	97.0%	99.5%
EFA201826	BAN107229	40%	98.5%	98.5%
EFA201826	BCE115108	26%	96.5%	91.8%
EFA201826	BFU107730	27%	89.1%	85.8%
EFA201826	BMA109379	24%	91.6%	90.9%
EFA201826	EBC101035	25%	87.8%	86.2%
EFA201826	EFA201826	100%	100%	100%
EFA201826	ECO101082	26%	88.6%	85.3%
EFA201826	LMO100421	43%	99.8%	99.8%
EFA201826	PMU101477	28%	28.0%	25.2%
EFA201826	PPU108176	26%	91.1%	89.6%
EFA201826	SPA102808	26%	92.3%	90.1%
EFA201826	STY102547	26%	88.6%	85.3%
EFA201826	STM102737	27%	88.6%	85.3%
EFA201826	SAU800941	40%	98.8%	99.3%
EFA201826	SEP201510	40%	98.8%	93.2%
EFA201826	SHA100915	38%	70.0%	100%
EFA201827	ABA100229	40%	64.7%	56.9%
EFA201827	BAN107161	30%	54.3%	99.8%
EFA201827	BAN107699	56%	34.0%	98.5%
EFA201827	BAN102783	46%	98.6%	99.9%
EFA201827	BFR11263	36%	80.7%	80.1%
EFA201827	BPT102660	39%	80.7%	78.3%
EFA201827	BBU100256	47%	55.4%	56.7%
EFA201827	BCE101034	39%	80.8%	80.6%
EFA201827	BFU100730	39%	80.8%	74.9%
EFA201827	BMA101290	46%	62.5%	92.3%
EFA201827	CJU100817	39%	74.7%	65.5%
EFA201827	CPN200970	43%	63.2%	63.4%
EFA201827	CTR200112	35%	93.2%	93.7%
EFA201827	CAC101785	40%	96.8%	96.5%
EFA201827	CBO100656	42%	97.8%	98.4%
EFA201827	CDF100864	40%	96.8%	98.3%
EFA201827	CDP100424	35%	95.9%	86.7%
EFA201827	EBC100487	38%	60.0%	69.0%
EFA201827	EFA201827	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201827	EFM200744	68%	99.9%	99.5%
EFA201827	ECO100865	42%	65.6%	41.8%
EFA201827	HIN101559	45%	56.8%	90.7%
EFA201827	HPY101073	39%	72.1%	68.2%
EFA201827	KPN307601	48%	30.1%	97.4%
EFA201827	LPN100195	42%	68.0%	75.8%
EFA201827	LMO102030	51%	98.3%	99.6%
EFA201827	MCA100556	41%	57.2%	99.4%
EFA201827	MAV100073	46%	65.2%	72.2%
EFA201827	MBV103355	46%	62.0%	66.0%
EFA201827	MLP100598	46%	64.3%	60.8%
EFA201827	MTU202711	46%	62.0%	57.3%
EFA201827	NGO100195	39%	79.8%	76.0%
EFA201827	NME201387	40%	79.8%	80.4%
EFA201827	PMU100255	42%	70.4%	61.9%
EFA201827	PRT100386	43%	66.9%	61.3%
EFA201827	PAE202613	38%	83.1%	83.6%
EFA201827	PPU100858	40%	79.8%	84.4%
EFA201827	PSY104186	39%	79.8%	82.7%
EFA201827	SPA103466	45%	57.6%	95.3%
EFA201827	STY102893	42%	65.2%	41.6%
EFA201827	STM102713	42%	65.2%	41.4%
EFA201827	SAU801276	45%	98.9%	99.5%
EFA201827	SEP201569	46%	98.9%	99.5%
EFA201827	SHA101101	44%	96.5%	99.9%
EFA201827	SMU101151	49%	97.5%	99.2%
EFA201827	SPN400781	50%	97.5%	99.7%
EFA201827	SPY200327	50%	97.6%	99.3%
EFA201827	TPA100989	49%	57.7%	58.1%
EFA201827	UUR100513	24%	28.3%	28.7%
EFA201827	VCH101873	45%	57.7%	51.0%
EFA201827	YPS001224	43%	65.9%	42.8%
EFA201867	EFA201867	100%	100%	100%
EFA201867	SMU100125	32%	94.4%	97.5%
EFA201867	SPY201027	30%	96.0%	98.3%
EFA201869	ABA105939	35%	47.3%	40.7%
EFA201869	BAN107872	44%	94.3%	98.5%
EFA201869	BAN102524	45%	94.3%	96.7%
EFA201869	BFR104611	37%	46.6%	41.0%
EFA201869	BPT101657	35%	49.5%	45.7%
EFA201869	BBU100705	31%	91.9%	92.4%
EFA201869	BCE100092	27%	96.3%	79.7%
EFA201869	BFU102642	26%	96.3%	77.1%
EFA201869	BMA109607	31%	64.8%	53.6%
EFA201869	CJU100728	31%	44.3%	47.3%
EFA201869	CPN201005	30%	97.5%	99.0%
EFA201869	CTR200077	32%	93.6%	95.6%
EFA201869	CAC100065	21%	95.3%	92.6%
EFA201869	CBO100682	43%	53.7%	49.6%
EFA201869	CDF103451	31%	94.1%	95.5%
EFA201869	CDP101606	36%	51.7%	43.8%
EFA201869	EBC102069	33%	48.8%	46.0%
EFA201869	EFA201869	100%	100%	100%
EFA201869	ECO100143	33%	51.0%	50%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201869	HIN100062	35%	49.8%	47.3%
EFA201869	HPY100632	42%	46.1%	47.5%
EFA201869	KPN308697	32%	50.7%	51.8%
EFA201869	LPN103037	38%	48.0%	47.8%
EFA201869	LMO102472	44%	93.6%	95.9%
EFA201869	MCA100864	34%	54.7%	36.2%
EFA201869	MAV103429	29%	91.4%	88.8%
EFA201869	MBV106184	27%	99.3%	97.9%
EFA201869	MLP101592	28%	98.8%	97.1%
EFA201869	MTU203852	27%	99.3%	97.9%
EFA201869	NGO100973	38%	48.3%	44.7%
EFA201869	NME200969	37%	48.3%	43.9%
EFA201869	PMU100864	36%	48.8%	41.7%
EFA201869	PRT102520	36%	48.3%	46.6%
EFA201869	PAE204723	34%	53.2%	48.8%
EFA201869	PPU108737	36%	51.2%	47.1%
EFA201869	PSY105160	35%	51.7%	46.9%
EFA201869	SPA104027	35%	49.8%	47.1%
EFA201869	STY103428	35%	49.8%	45.1%
EFA201869	STM101254	32%	60.3%	59.6%
EFA201869	SAU801457	37%	95.1%	97%
EFA201869	SEP200430	37%	95.1%	97%
EFA201869	SHA101762	37%	95.8%	97.8%
EFA201869	SMU100881	50%	97.0%	99.5%
EFA201869	SPN401412	49%	98.5%	100%
EFA201869	SPY200644	46%	97.0%	99.2%
EFA201869	TPA100267	32%	94.6%	96.9%
EFA201869	VCH100583	37%	48.8%	45.7%
EFA201869	YPS000784	35%	48.3%	47.7%
EFA201878	ABA105360	30%	99.2%	95.6%
EFA201878	BAN102900	46%	99.6%	98.5%
EFA201878	BAN107078	51%	99.6%	98.5%
EFA201878	BFR10828	28%	92.7%	90.9%
EFA201878	BPT102724	28%	99.2%	96.7%
EFA201878	BCE105684	33%	99.6%	98.9%
EFA201878	BMA108656	30%	95.4%	98.8%
EFA201878	CJU100185	27%	100%	99.2%
EFA201878	CPN200790	25%	90.0%	81.8%
EFA201878	CTR200633	28%	74.9%	74.8%
EFA201878	CAC100895	26%	100%	99.2%
EFA201878	CBO102353	30%	99.6%	99.2%
EFA201878	CDF100169	34%	45.6%	95%
EFA201878	CDF103888	27%	100%	99.6%
EFA201878	CDF101971	30%	100%	99.6%
EFA201878	CDP100444	43%	99.6%	98.4%
EFA201878	EBC102147	29%	99.6%	96.3%
EFA201878	EFA201878	100%	100%	100%
EFA201878	EFM201574	27%	96.1%	94.5%
EFA201878	ECO100031	30%	99.6%	96.3%
EFA201878	HIN101274	30%	99.6%	97.4%
EFA201878	HPY100505	26%	73.7%	73.6%
EFA201878	KPN306527	30%	99.6%	96.3%
EFA201878	LPN103391	45%	99.2%	98.8%
EFA201878	LMO101881	60%	99.6%	99.6%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201878	MCA102220	30%	99.6%	97.7%
EFA201878	MAV101194	42%	99.6%	98.8%
EFA201878	MBV101254	42%	99.6%	98.8%
EFA201878	MTU202735	43%	99.6%	98.8%
EFA201878	NGO100748	29%	99.6%	97.0%
EFA201878	NME200061	29%	99.6%	97.0%
EFA201878	PMU100726	29%	99.6%	97.4%
EFA201878	PRT101653	31%	75.3%	71.4%
EFA201878	PAE204755	29%	100%	98.9%
EFA201878	PPU111382	33%	75.3%	92.0%
EFA201878	PSY104750	28%	100%	98.8%
EFA201878	SPA101380	33%	75.3%	71.7%
EFA201878	STY101155	29%	99.6%	96.3%
EFA201878	STM100870	29%	99.6%	96.3%
EFA201878	SAU801396	25%	99.2%	100%
EFA201878	SEP202106	25%	97.3%	97.9%
EFA201878	SHA100969	25%	99.2%	100%
EFA201878	SMU100878	61%	99.6%	99.2%
EFA201878	SPN401413	63%	99.6%	99.2%
EFA201878	VCH102356	29%	100%	98.1%
EFA201878	YPS000815	28%	99.6%	96.3%
EFA201883	ABA103631	57%	96.7%	97.8%
EFA201883	BAN110875	78%	97.8%	98.9%
EFA201883	BFR100422	50%	97.8%	98.9%
EFA201883	BPT100124	53%	96.7%	97.8%
EFA201883	BBU100231	32%	95.6%	86.1%
EFA201883	BCE110670	58%	97.8%	98.9%
EFA201883	BFU100991	53%	96.7%	97.8%
EFA201883	BMA101790	50%	96.7%	95.7%
EFA201883	CJU100843	56%	95.6%	88.8%
EFA201883	CPN200333	25%	96.7%	89%
EFA201883	CTR200531	24%	96.7%	89%
EFA201883	CAC100114	57%	96.7%	96.7%
EFA201883	CBO102675	56%	96.7%	78.6%
EFA201883	CDF102299	57%	96.7%	96.7%
EFA201883	EBC102270	55%	96.7%	97.8%
EFA201883	EFA201883	100%	100%	100%
EFA201883	EFM100184	90%	100%	92.9%
EFA201883	ECO100432	55%	96.7%	97.8%
EFA201883	HIN100410	64%	97.8%	65.4%
EFA201883	HPY100822	38%	97.8%	95.7%
EFA201883	KPN302503	56%	97.8%	98.9%
EFA201883	LPN101041	38%	93.4%	95.5%
EFA201883	LMO100364	74%	100%	100%
EFA201883	MCA101444	57%	96.7%	97.8%
EFA201883	MAV101405	45%	96.7%	41.5%
EFA201883	MBV102079	46%	96.7%	41.1%
EFA201883	MLP101029	46%	96.7%	44%
EFA201883	MTU202948	46%	96.7%	41.1%
EFA201883	NGO100251	48%	96.7%	98.9%
EFA201883	NME201722	47%	96.7%	96.7%
EFA201883	NME201276	50%	96.7%	98.9%
EFA201883	PMU101732	62%	97.8%	98.9%
EFA201883	PRT101499	60%	96.7%	91.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201883	PAE201803	56%	96.7%	97.8%
EFA201883	PPU111425	54%	96.7%	97.8%
EFA201883	PSY108978	52%	96.7%	97.8%
EFA201883	SPA102996	56%	96.7%	97.8%
EFA201883	STY100727	56%	96.7%	97.8%
EFA201883	STM100440	56%	96.7%	97.8%
EFA201883	SAU801473	78%	97.8%	98.9%
EFA201883	SEP200458	78%	97.8%	98.9%
EFA201883	SHA101411	77%	97.8%	98.9%
EFA201883	SMU100719	80%	100%	100%
EFA201883	SPN401020	75%	100%	100%
EFA201883	SPY201144	82%	100%	100%
EFA201883	TPA100248	32%	93.4%	81.0%
EFA201883	UUR100284	28%	95.6%	66.9%
EFA201883	VCH100270	55%	97.8%	98.9%
EFA201883	YPS001873	53%	96.7%	97.8%
EFA201884	ABA100688	41%	97.9%	91.0%
EFA201884	BAN111369	58%	99.8%	100%
EFA201884	BAN112079	70%	99.8%	99.8%
EFA201884	BFR10077	47%	28.4%	72.5%
EFA201884	BPT100007	39%	97.9%	96.2%
EFA201884	BBU100507	33%	77.8%	35.6%
EFA201884	BCE100856	36%	26.6%	65.6%
EFA201884	BFU105505	37%	97.9%	96.6%
EFA201884	BMA102074	37%	97.9%	96.6%
EFA201884	CJU100354	35%	98.9%	97.8%
EFA201884	CPN201006	33%	71.1%	27.9%
EFA201884	CTR200076	33%	80.7%	33.9%
EFA201884	CAC100098	53%	100%	99.8%
EFA201884	CBO101866	51%	100%	99.5%
EFA201884	CDF102465	53%	99.8%	98.9%
EFA201884	CDP101065	39%	67.4%	21.8%
EFA201884	EBC102035	38%	97.9%	92.4%
EFA201884	EFA201884	100%	100%	100%
EFA201884	ECO102462	38%	97.9%	90.1%
EFA201884	HIN100129	37%	98.9%	93.1%
EFA201884	HPY100821	36%	99.1%	96.9%
EFA201884	KPN305977	38%	97.9%	92.5%
EFA201884	LPN101429	39%	97.9%	92.0%
EFA201884	LMO102523	74%	100%	100%
EFA201884	MCA101523	40%	97.9%	90.7%
EFA201884	MAV102019	40%	99.3%	92.3%
EFA201884	MBV105348	37%	69.5%	27.6%
EFA201884	MLP100852	39%	99.3%	93.1%
EFA201884	MTU201691	37%	69.5%	27.6%
EFA201884	MGE100337	43%	27.1%	66.5%
EFA201884	MPN100366	42%	7.8%	47.9%
EFA201884	NGO101003	41%	27.3%	60.8%
EFA201884	NME200978	41%	27.3%	60.8%
EFA201884	PMU100105	35%	98.9%	93.1%
EFA201884	PRT102921	37%	97.9%	92.5%
EFA201884	PAE203796	39%	97.9%	90.9%
EFA201884	PPU112339	40%	97.9%	91.0%
EFA201884	PSY106808	48%	68.6%	83.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201884	PSY103809	41%	97.9%	90.3%
EFA201884	SPA102739	38%	97.9%	90.2%
EFA201884	STY101715	38%	97.9%	92.4%
EFA201884	SAU801475	68%	99.8%	99.8%
EFA201884	SEP200461	68%	99.8%	99.8%
EFA201884	SHA101409	69%	99.8%	99.8%
EFA201884	SMU101355	78%	100%	100%
EFA201884	SPN401552	78%	100%	100%
EFA201884	SPY200248	77%	100%	100%
EFA201884	TPA100681	33%	98.9%	94.6%
EFA201884	UUR100386	48%	97.7%	96.8%
EFA201884	VCH100750	38%	97.9%	92.3%
EFA201884	YPS003216	36%	97.9%	92.5%
EFA201886	BFR100706	48%	93.1%	29.3%
EFA201886	EFA201886	100%	100%	100%
EFA201888	ABA105798	37%	99.8%	100%
EFA201888	ABA100324	39%	99.5%	99.8%
EFA201888	BAN112689	49%	96.6%	97.3%
EFA201888	BAN107953	51%	99.3%	99.3%
EFA201888	BFR12010	47%	99.8%	99.5%
EFA201888	BPT102618	48%	98.8%	99.3%
EFA201888	BCE113298	47%	74.3%	98.7%
EFA201888	BFU100675	49%	98.8%	95.3%
EFA201888	BMA102164	49%	98.8%	99.0%
EFA201888	CJU100410	48%	99.0%	99.5%
EFA201888	CPN200933	44%	99.0%	98.8%
EFA201888	CTR200146	44%	99.3%	98.6%
EFA201888	CAC100013	56%	99.3%	99.5%
EFA201888	CBO102384	59%	99.5%	98.8%
EFA201888	CDF101773	52%	99.0%	99.3%
EFA201888	CDP100587	25%	98.8%	27.7%
EFA201888	EBC100090	47%	63.8%	98.9%
EFA201888	EFA201888	100%	100%	100%
EFA201888	ECO101068	50%	98.8%	99.0%
EFA201888	HPY100551	45%	99.0%	99.8%
EFA201888	KPN301302	50%	98.8%	99.0%
EFA201888	LPN100053	48%	98.8%	99.0%
EFA201888	LMO100394	52%	99.5%	99.3%
EFA201888	MCA101479	46%	98.8%	100%
EFA201888	MAV103067	36%	98.3%	100%
EFA201888	MBV100653	38%	98.5%	96.9%
EFA201888	MLP101008	36%	98.5%	96.9%
EFA201888	MTU202211	38%	98.5%	96.9%
EFA201888	NGO100696	51%	99.3%	91.9%
EFA201888	NME200042	50%	99.3%	99.0%
EFA201888	PAE202963	49%	99.5%	99.3%
EFA201888	PPU104840	49%	99.0%	98.8%
EFA201888	PSY101697	48%	99.5%	99.3%
EFA201888	SPA100629	47%	98.8%	99.0%
EFA201888	STY102533	49%	98.8%	99.0%
EFA201888	STM102723	50%	98.8%	99.0%
EFA201888	SAU800984	53%	99.3%	98.8%
EFA201888	SEP200206	52%	99.3%	98.8%
EFA201888	SHA101847	52%	99.5%	99.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201888	VCH101989	49%	98.8%	99.0%
EFA201888	YPS003134	49%	98.8%	99.0%
EFA201905	ABA103706	43%	98.6%	95.8%
EFA201905	BAN112289	80%	12.2%	87.8%
EFA201905	BAN108159	45%	95.3%	100%
EFA201905	BAN100668	56%	100%	100%
EFA201905	BFR100314	21%	36.5%	34.4%
EFA201905	BFR102798	36%	12.8%	74.5%
EFA201905	BFR104729	31%	27.0%	26.3%
EFA201905	BFR102402	35%	16.9%	69.9%
EFA201905	BFR103498	33%	18.2%	17.6%
EFA201905	BFR104188	31%	18.2%	14.4%
EFA201905	BFR101898	22%	97.6%	74.5%
EFA201905	BFR102942	36%	23.6%	79.8%
EFA201905	BFR104190	20%	97.0%	59.5%
EFA201905	BFR10665	23%	65.5%	45.4%
EFA201905	BFR102711	40%	20.3%	15.8%
EFA201905	BFR102682	38%	23.3%	56%
EFA201905	BFR104935	23%	86.8%	60.3%
EFA201905	BFR11037	24%	93.6%	54.5%
EFA201905	BFR100113	27%	81.1%	56.1%
EFA201905	BFR102796	25%	71.6%	51.3%
EFA201905	BFR102991	30%	59.8%	39.2%
EFA201905	BFR101296	30%	61.1%	39.8%
EFA201905	BFR12371	25%	94.3%	68.0%
EFA201905	BFR11529	28%	81.1%	62.4%
EFA201905	BFR10734	43%	97.3%	90.2%
EFA201905	BPT102059	41%	97.6%	95.2%
EFA201905	BCE108192	33%	99.7%	98.0%
EFA201905	BFU102341	41%	95.9%	90.4%
EFA201905	BMA105859	41%	95.3%	83.8%
EFA201905	CJU100802	29%	90.2%	78.0%
EFA201905	CPN200813	34%	96.3%	93.4%
EFA201905	CTR200250	34%	100%	97.3%
EFA201905	CAC100867	42%	95.3%	95.5%
EFA201905	CBO103235	41%	100%	100%
EFA201905	CDF101842	35%	96.3%	93.1%
EFA201905	CDP101043	41%	91.9%	99.0%
EFA201905	EBC102954	41%	97.6%	96.6%
EFA201905	EFA201905	100%	100%	100%
EFA201905	EFM100706	74%	91.9%	100%
EFA201905	ECO102830	40%	99.0%	98.0%
EFA201905	HIN100295	38%	98.3%	98.0%
EFA201905	HPY100992	26%	41.9%	69.4%
EFA201905	HPY100979	24%	81.8%	70.1%
EFA201905	HPY100667	29%	84.5%	72.9%
EFA201905	KPN303337	42%	97.6%	96.6%
EFA201905	LMO101203	53%	100%	100%
EFA201905	MCA100972	39%	95.3%	90.2%
EFA201905	MAV102006	37%	100%	93.6%
EFA201905	MBV100093	27%	52.4%	96.5%
EFA201905	MBV105361	39%	99.0%	97.7%
EFA201905	MLP100846	38%	100%	98.1%
EFA201905	MTU201680	39%	99.0%	97.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201905	NGO102003	40%	99.7%	99.7%
EFA201905	NME200887	38%	99.7%	99.7%
EFA201905	PMU100093	37%	97.3%	96.6%
EFA201905	PRT102352	41%	97.3%	91.7%
EFA201905	PAE203735	43%	99.7%	98.7%
EFA201905	PPU107818	42%	99.7%	98.7%
EFA201905	PSY103793	43%	99.7%	98.7%
EFA201905	SPA102980	41%	100%	100%
EFA201905	STY104150	41%	100%	100%
EFA201905	STM101083	38%	100%	97%
EFA201905	SAU801497	52%	100%	100%
EFA201905	SEP200487	50%	100%	100%
EFA201905	SHA101162	52%	100%	100%
EFA201905	SPN401046	23%	93.9%	85.7%
EFA201905	SPY200913	22%	85.8%	75.6%
EFA201905	TPA100387	38%	80.4%	78.8%
EFA201905	UUR100535	24%	91.2%	90.8%
EFA201905	VCH102384	39%	97.6%	95.4%
EFA201905	YPS000164	42%	97.6%	96.3%
EFA201920	ABA102020	43%	90.2%	96.6%
EFA201920	BAN108425	58%	99.3%	100%
EFA201920	BAN110337	69%	99.5%	100%
EFA201920	BFR10585	42%	77.9%	94.5%
EFA201920	BPT102468	48%	76.7%	88.6%
EFA201920	BBU100780	40%	75.6%	97.0%
EFA201920	BCE109750	46%	76.5%	89.5%
EFA201920	BFU106483	44%	82.9%	96.2%
EFA201920	BMA107520	46%	76.5%	89.0%
EFA201920	CJU100085	43%	74.9%	94.3%
EFA201920	CPN200205	44%	74.9%	94.8%
EFA201920	CTR200689	44%	74.9%	97.0%
EFA201920	CAC103735	49%	99.5%	100%
EFA201920	CBO102816	49%	99.3%	99.8%
EFA201920	CDF101736	47%	99.3%	99.1%
EFA201920	CDP101218	43%	99.5%	87.0%
EFA201920	EBC102677	44%	84.0%	90.0%
EFA201920	EFA201920	100%	100%	100%
EFA201920	EFM201911	88%	91.1%	100%
EFA201920	ECO103113	43%	90.2%	95.4%
EFA201920	HIN100857	42%	85.6%	95.9%
EFA201920	HPY100299	46%	67.4%	81.1%
EFA201920	KPN300686	45%	84.0%	89.8%
EFA201920	LPN101316	49%	63.7%	99.3%
EFA201920	LMO102191	71%	99.5%	100%
EFA201920	MCA101313	44%	81.3%	86.9%
EFA201920	MAV104121	44%	99.5%	88.6%
EFA201920	MBV104432	43%	98.9%	89.0%
EFA201920	MLP100902	42%	99.5%	90.8%
EFA201920	MTU202404	43%	99.5%	90.6%
EFA201920	MGE100395	36%	96.1%	96.3%
EFA201920	MPN100279	36%	96.1%	96.3%
EFA201920	NGO100959	45%	75.1%	88.3%
EFA201920	NME200322	46%	75.1%	88.3%
EFA201920	PMU100351	44%	81.3%	89.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201920	PRT100791	44%	84.5%	95.4%
EFA201920	PAE204564	47%	79.9%	86.2%
EFA201920	PPU110997	44%	79.9%	85.5%
EFA201920	PSY102705	43%	69.9%	84.5%
EFA201920	SPA100458	43%	84.0%	96.4%
EFA201920	STY101485	44%	84.0%	90.3%
EFA201920	SAU801644	61%	99.5%	100%
EFA201920	SEP201605	60%	99.5%	100%
EFA201920	SHA100640	60%	84.9%	100%
EFA201920	SMU100127	73%	100%	100%
EFA201920	SPN400984	77%	100%	100%
EFA201920	SPY201023	73%	100%	100%
EFA201920	TPA100734	43%	68.7%	79.5%
EFA201920	UUR100466	35%	99.3%	99.5%
EFA201920	VCH100432	42%	81.3%	88.1%
EFA201920	YPS002137	44%	80.1%	88.7%
EFA201926	ABA102635	47%	97.6%	94.0%
EFA201926	BAN101985	47%	96.4%	100%
EFA201926	BAN113496	72%	98.2%	98.0%
EFA201926	BFR102757	47%	98.0%	86.1%
EFA201926	BPT101799	49%	98.2%	97.4%
EFA201926	BCE109946	50%	99.6%	98.4%
EFA201926	BFU108644	48%	98.0%	94.3%
EFA201926	BMA108408	49%	99.6%	98.4%
EFA201926	CJU100369	45%	96.4%	96.2%
EFA201926	CPN200915	40%	97.6%	96.8%
EFA201926	CTR200158	41%	97.6%	97.3%
EFA201926	CAC101713	53%	97.8%	94.0%
EFA201926	CBO101347	54%	98.2%	96.4%
EFA201926	CDF101016	54%	99.6%	96.1%
EFA201926	CDP100639	38%	98.2%	98.1%
EFA201926	EBC102996	51%	99.4%	99.0%
EFA201926	EFA201926	100%	100%	100%
EFA201926	EFM102056	58%	23.5%	98.3%
EFA201926	ECO102826	52%	98.0%	96.8%
EFA201926	HIN101184	52%	99.4%	99.2%
EFA201926	HPY100179	45%	97.6%	97.0%
EFA201926	KPN302939	51%	100%	99.4%
EFA201926	KPN303317	51%	100%	99.4%
EFA201926	LPN100325	50%	99.4%	99.4%
EFA201926	LMO102242	69%	98.2%	98.2%
EFA201926	MCA100679	47%	97.6%	96.4%
EFA201926	MAV100921	41%	98.0%	98.0%
EFA201926	MBV102374	41%	94.4%	98.5%
EFA201926	MLP100165	40%	97.8%	97.0%
EFA201926	MTU203546	41%	98.2%	97.8%
EFA201926	MGE100138	45%	97.8%	98.6%
EFA201926	MPN100558	48%	97.8%	98.6%
EFA201926	NGO101519	50%	100%	99.6%
EFA201926	NME201498	50%	100%	99.6%
EFA201926	PMU100189	51%	99.2%	99.2%
EFA201926	PRT100474	51%	100%	98.6%
EFA201926	PAE203698	51%	99.4%	98.2%
EFA201926	PPU107895	49%	99.4%	98.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201926	PSY104934	49%	99.4%	98.2%
EFA201926	SPA102976	52%	98.0%	96.8%
EFA201926	STY104136	52%	98.0%	96.8%
EFA201926	STM103496	31%	64.7%	96.3%
EFA201926	SAU800517	68%	98.2%	99.2%
EFA201926	SEP201850	68%	98.2%	99.2%
EFA201926	SHA100105	70%	45.2%	99.1%
EFA201926	SMU100072	69%	98.6%	98.4%
EFA201926	SPN400626	71%	98.6%	99.2%
EFA201926	SPY200429	70%	98.6%	99.0%
EFA201926	TPA101030	22%	61.2%	95.7%
EFA201926	UUR100060	53%	97.6%	98.2%
EFA201926	VCH100651	46%	99.2%	97.1%
EFA201926	YPS000160	51%	98.2%	97.0%
EFA201946	ABA102546	34%	16.4%	100%
EFA201946	ABA101608	34%	90.0%	92.4%
EFA201946	BAN104617	37%	94.0%	95.8%
EFA201946	BAN104798	52%	96.2%	97.4%
EFA201946	BFR106066	35%	88.1%	88.6%
EFA201946	BPT100078	36%	90.8%	92.9%
EFA201946	BBU100622	36%	86.0%	87.0%
EFA201946	BCE107511	35%	89.3%	90.5%
EFA201946	BFU101876	37%	73.8%	90.6%
EFA201946	BMA109410	35%	89.7%	90.0%
EFA201946	CJU101011	33%	17.0%	10.1%
EFA201946	CPN200958	40%	10.5%	5.7%
EFA201946	CTR200123	41%	18.8%	15.3%
EFA201946	CAC101838	43%	90.5%	92.1%
EFA201946	CBO103147	40%	96.5%	98.4%
EFA201946	CDF103177	41%	91.3%	95.5%
EFA201946	CDP100876	36%	91.8%	88.5%
EFA201946	EBC101582	37%	81.7%	94.5%
EFA201946	EFA201946	100%	100%	100%
EFA201946	EFM201703	74%	98.4%	99.7%
EFA201946	ECO101087	36%	89.7%	92.2%
EFA201946	HIN101230	37%	88.3%	91.1%
EFA201946	HPY101518	37%	17.7%	11.7%
EFA201946	KPN300307	60%	9.8%	82.4%
EFA201946	KPN302590	35%	90.6%	93.2%
EFA201946	LPN102055	35%	91.3%	94.0%
EFA201946	LMO101320	53%	95.9%	96.8%
EFA201946	MCA102969	32%	88.6%	91.4%
EFA201946	MAV105497	35%	91.8%	90.7%
EFA201946	MBV103326	36%	88.9%	87.8%
EFA201946	MLP100181	35%	89.7%	89.5%
EFA201946	MTU201009	36%	88.9%	87.8%
EFA201946	NGO101007	42%	13.2%	20.2%
EFA201946	NME201357	40%	9.4%	20.0%
EFA201946	PMU101041	37%	85.6%	88.4%
EFA201946	PRT100883	36%	91.8%	93.0%
EFA201946	PAE203000	35%	89.0%	91.7%
EFA201946	PPU100453	35%	90.5%	94.0%
EFA201946	PSY102964	36%	87.0%	93.1%
EFA201946	SPA102802	35%	87.5%	91.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201946	STY102552	36%	89.7%	92.2%
EFA201946	SAU800503	48%	95.1%	96.3%
EFA201946	SEP201836	49%	94.2%	95.7%
EFA201946	SHA101206	51%	89.0%	98.9%
EFA201946	SMU100032	51%	98.7%	99.7%
EFA201946	SPN400006	50%	96.0%	96.9%
EFA201946	SPY200006	51%	98.5%	99.4%
EFA201946	TPA100340	36%	85.1%	86.1%
EFA201946	VCH101856	36%	90.6%	92.9%
EFA201946	YPS003221	35%	90.5%	93.0%
EFA201951	ABA100619	44%	97.8%	96.8%
EFA201951	BAN108237	36%	98.0%	96.3%
EFA201951	BAN113091	39%	95.2%	97.1%
EFA201951	BAN112735	41%	97.4%	97.6%
EFA201951	BAN113417	42%	98.2%	98.4%
EFA201951	BFR103003	24%	23.0%	81.9%
EFA201951	BPT103076	45%	97.4%	92.2%
EFA201951	BCE103462	45%	97.4%	96.1%
EFA201951	BFU102740	44%	97.4%	96.4%
EFA201951	BFU107758	45%	98.0%	97.0%
EFA201951	BMA106098	45%	97.4%	86.1%
EFA201951	CJU100455	35%	76.8%	96.4%
EFA201951	CAC103154	34%	95.4%	97.5%
EFA201951	CBO103360	34%	95.4%	96.9%
EFA201951	CDF103906	33%	96.2%	97.5%
EFA201951	CDP101458	44%	97.4%	96.2%
EFA201951	EBC104578	47%	97.4%	91.4%
EFA201951	EFA201951	100%	100%	100%
EFA201951	ECO103510	48%	97.4%	90.0%
EFA201951	HPY100055	24%	91.5%	37.0%
EFA201951	KPN305829	45%	95.8%	94.9%
EFA201951	LPN101129	42%	97.4%	99.4%
EFA201951	LMO102125	40%	94.8%	96.1%
EFA201951	MCA101417	43%	97.4%	96.4%
EFA201951	MAV101769	46%	97.8%	96.6%
EFA201951	MBV105125	43%	97.8%	96.6%
EFA201951	MLP101520	28%	91.9%	99.3%
EFA201951	MTU200456	43%	97.8%	96.6%
EFA201951	NGO100472	36%	91.1%	91.8%
EFA201951	NME200446	36%	95.4%	98.5%
EFA201951	PMU101530	36%	94.8%	96.7%
EFA201951	PRT105557	59%	96.4%	97.0%
EFA201951	PAE204019	48%	95.4%	94.5%
EFA201951	PAE201982	48%	95.4%	94.5%
EFA201951	PPU108163	49%	95.8%	94.9%
EFA201951	PSY105710	48%	95.4%	94.5%
EFA201951	SPA101536	48%	84.5%	93.0%
EFA201951	STY100416	47%	97.4%	95.3%
EFA201951	STM102230	38%	94.8%	96.3%
EFA201951	SAU800167	57%	99.0%	99.2%
EFA201951	SEP201069	56%	100%	100%
EFA201951	SHA101810	56%	100%	100%
EFA201951	SMU100865	32%	95.8%	98.9%
EFA201951	SPN401028	33%	96.0%	99.4%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201951	SPY201053	32%	95.8%	98.9%
EFA201951	UUR100364	30%	95.6%	99.4%
EFA201951	VCH101789	48%	95.8%	94.9%
EFA201951	VCH100804	48%	97.4%	90.2%
EFA201951	YPS002165	39%	95.2%	96.7%
EFA201954	ABA104342	28%	42.7%	95.8%
EFA201954	BCE107126	36%	42.3%	90.2%
EFA201954	BMA105276	34%	42.3%	97.2%
EFA201954	EBC100624	37%	42.3%	97.3%
EFA201954	EFA201954	100%	100%	100%
EFA201954	ECO100786	37%	42.3%	97.3%
EFA201954	KPN303596	37%	42.3%	97.3%
EFA201954	SPA101970	37%	42.3%	97.7%
EFA201954	STY102374	37%	42.3%	97.3%
EFA201954	SMU101490	57%	98.3%	99.2%
EFA201954	SPN400409	58%	54.8%	93.2%
EFA201954	SPY200205	54%	96.6%	96.4%
EFA201954	YPS000343	34%	40.2%	92.7%
EFA201968	BAN100415	49%	99.2%	100%
EFA201968	BAN103869	49%	100%	100%
EFA201968	BFR102096	37%	98.4%	99.6%
EFA201968	BPT101929	38%	99.2%	91.1%
EFA201968	BCE110533	36%	96.4%	87.8%
EFA201968	BFU112278	35%	99.2%	90.4%
EFA201968	BMA105147	34%	99.2%	90.0%
EFA201968	CJU100766	29%	99.2%	100%
EFA201968	CPN200166	39%	100%	93.3%
EFA201968	CTR200737	38%	96.4%	89.9%
EFA201968	EFA201968	100%	100%	100%
EFA201968	EFM202456	83%	99.6%	100%
EFA201968	HIN101610	34%	96.4%	88.1%
EFA201968	HPY100357	32%	98.0%	98.8%
EFA201968	LMO101804	48%	99.6%	100%
EFA201968	MGE100185	31%	99.6%	99.6%
EFA201968	MPN100635	35%	99.6%	100%
EFA201968	NGO100854	35%	98.4%	91.7%
EFA201968	NME200375	34%	98.4%	91.7%
EFA201968	PMU100637	35%	96.4%	89.8%
EFA201968	SAU802219	41%	95.6%	88.0%
EFA201968	SEP202050	39%	95.6%	88.0%
EFA201968	SHA100342	41%	42.6%	94.6%
EFA201968	SMU101378	60%	100%	95.0%
EFA201968	SPN401450	63%	99.6%	99.6%
EFA201968	SPY201464	57%	100%	100%
EFA201968	TPA100821	35%	90.8%	81.8%
EFA201970	BAN100358	47%	96.6%	95.9%
EFA201970	BAN103832	51%	99.6%	100%
EFA201970	BPT103246	31%	82.3%	97.5%
EFA201970	CAC102712	45%	99.2%	98.5%
EFA201970	CBO102260	46%	98.5%	98.1%
EFA201970	CDF102434	45%	89.8%	88.8%
EFA201970	CDP100414	29%	85.7%	98.5%
EFA201970	EFA201970	100%	100%	100%
EFA201970	EFM201224	82%	99.6%	97.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201970	ECO203822	26%	44.2%	49.4%
EFA201970	KPN305161	33%	24.5%	27.6%
EFA201970	LMO102464	63%	100%	99.6%
EFA201970	MBV105674	27%	83.0%	78.4%
EFA201970	MLP100512	27%	81.9%	77.0%
EFA201970	MTU202291	27%	83.0%	78.4%
EFA201970	MGE100184	39%	9.1%	35%
EFA201970	MPN100636	38%	8.3%	36.4%
EFA201970	SPA101299	23%	53.6%	95.9%
EFA201970	STY104521	23%	53.6%	62.9%
EFA201970	STM100519	23%	53.6%	60%
EFA201970	SAU802220	46%	99.6%	98.5%
EFA201970	SEP202052	46%	99.6%	98.5%
EFA201970	SHA100341	45%	98.5%	98.5%
EFA201970	SMU101384	60%	99.2%	99.6%
EFA201970	SPN402021	54%	99.6%	100%
EFA201970	SPY201676	62%	99.6%	99.2%
EFA201970	TPA100223	28%	54.7%	61.8%
EFA201970	UUR100543	41%	61.1%	36.8%
EFA201974	ABA100130	44%	96.1%	86.4%
EFA201974	BAN103288	74%	99.2%	100%
EFA201974	BAN102478	74%	99.2%	100%
EFA201974	BFR100896	37%	97.6%	68.3%
EFA201974	BPT100897	46%	96.9%	83.2%
EFA201974	BBU100502	32%	100%	91.9%
EFA201974	BCE109774	46%	96.9%	83.2%
EFA201974	BFU101597	45%	96.9%	83.8%
EFA201974	BMA104335	47%	96.9%	83.2%
EFA201974	CJU101502	45%	97.6%	94.0%
EFA201974	CPN200120	43%	96.1%	93.0%
EFA201974	CTR200782	43%	96.1%	93.0%
EFA201974	CAC100809	50%	97.6%	96.5%
EFA201974	CBO102497	53%	97.6%	97.3%
EFA201974	CDF102169	51%	97.6%	97.3%
EFA201974	CDP100024	41%	96.1%	68.8%
EFA201974	EBC103646	48%	98.4%	87.4%
EFA201974	EFA201974	100%	100%	100%
EFA201974	EFM201685	89%	99.2%	100%
EFA201974	ECO103217	48%	98.4%	87.4%
EFA201974	HIN100784	48%	98.4%	86.7%
EFA201974	HPY101274	41%	97.6%	94.8%
EFA201974	KPN300813	48%	98.4%	86.7%
EFA201974	LMO100340	67%	99.2%	100%
EFA201974	MCA100427	43%	96.1%	90.8%
EFA201974	MAV101006	43%	96.9%	74.7%
EFA201974	MBV100492	43%	96.9%	60.6%
EFA201974	MLP101193	41%	96.9%	64.1%
EFA201974	MTU203409	43%	96.9%	60.6%
EFA201974	MGE100181	31%	99.2%	96.7%
EFA201974	MPN100639	32%	97.6%	94.4%
EFA201974	NGO100883	48%	96.9%	89.3%
EFA201974	NME200096	48%	96.9%	89.3%
EFA201974	PMU101389	47%	98.4%	86.0%
EFA201974	PRT101773	46%	98.4%	86.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201974	PAE204235	43%	98.4%	86.0%
EFA201974	PPU104535	46%	98.4%	86.7%
EFA201974	PSY105785	44%	98.4%	86.7%
EFA201974	SPA104312	46%	98.4%	87.4%
EFA201974	STY101829	48%	98.4%	87.4%
EFA201974	SAU802223	65%	99.2%	100%
EFA201974	SEP202058	65%	99.2%	100%
EFA201974	SHA100503	65%	99.2%	99.2%
EFA201974	SMU100584	75%	99.2%	100%
EFA201974	SPN400216	76%	99.2%	100%
EFA201974	SPY101855	75%	99.2%	100%
EFA201974	TPA100211	41%	97.6%	67.1%
EFA201974	UUR100260	38%	99.2%	100%
EFA201974	VCH102533	48%	98.4%	86.7%
EFA201974	YPS002494	48%	98.4%	86.0%
EFA201975	ABA100129	40%	98.1%	91.3%
EFA201975	BAN107601	56%	99.7%	100%
EFA201975	BAN108468	75%	100%	100%
EFA201975	BFR10426	42%	99.7%	96.7%
EFA201975	BPT100896	43%	97.8%	93.9%
EFA201975	BBU100501	41%	98.7%	92.2%
EFA201975	BCE103299	41%	97.1%	93.8%
EFA201975	BFU101596	41%	97.1%	93.8%
EFA201975	BMA100053	41%	97.1%	93.8%
EFA201975	CJU101501	34%	95.2%	87.2%
EFA201975	CPN200119	39%	94.2%	80.3%
EFA201975	CTR200783	36%	93.6%	79.2%
EFA201975	CAC100456	62%	100%	99.7%
EFA201975	CBO100600	64%	100%	99.7%
EFA201975	CDF104551	64%	100%	99.1%
EFA201975	CDP100022	47%	99.0%	91.1%
EFA201975	EBC103650	45%	99.4%	95.4%
EFA201975	EFA201975	100%	100%	100%
EFA201975	EFM200465	93%	100%	100%
EFA201975	ECO103218	45%	99.4%	95.4%
EFA201975	HIN100783	45%	99.4%	95.4%
EFA201975	HPY101275	34%	95.2%	87.8%
EFA201975	KPN300703	47%	76.3%	95.7%
EFA201975	LMO100649	73%	100%	100%
EFA201975	MCA100426	44%	99.4%	93.4%
EFA201975	MAV101008	47%	99.0%	89.0%
EFA201975	MBV100494	46%	99.0%	89.0%
EFA201975	MLP101194	47%	99.0%	89.0%
EFA201975	MTU203410	46%	99.0%	89.0%
EFA201975	MGE100180	38%	94.6%	93.9%
EFA201975	MPN100640	38%	96.2%	95.7%
EFA201975	NGO100885	43%	98.1%	93.6%
EFA201975	NME200097	42%	98.1%	93.6%
EFA201975	PMU101390	45%	99.4%	95.4%
EFA201975	PRT101775	45%	99.4%	95.4%
EFA201975	PAE204236	44%	99.4%	94.0%
EFA201975	PPU104534	44%	99.4%	94.0%
EFA201975	PSY100281	38%	48.4%	91.5%
EFA201975	SPA104314	45%	99.4%	95.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201975	STY101828	45%	99.4%	95.4%
EFA201975	SAU802224	71%	100%	100%
EFA201975	SEP202059	71%	100%	100%
EFA201975	SHA100502	71%	100%	100%
EFA201975	SMU100586	68%	99.7%	99.7%
EFA201975	SPN400215	69%	99.0%	99.4%
EFA201975	SPY200063	68%	99.7%	99.7%
EFA201975	TPA100210	40%	99.0%	91.7%
EFA201975	UUR100259	39%	99.0%	97.9%
EFA201975	VCH102534	43%	99.4%	95.5%
EFA201975	YPS002493	45%	99.4%	95.4%
EFA201976	ABA100127	61%	98.4%	99.2%
EFA201976	BAN102381	78%	100%	100%
EFA201976	BAN110714	83%	100%	100%
EFA201976	BFR10424	57%	100%	100%
EFA201976	BPT100894	61%	93.8%	91.0%
EFA201976	BBU100500	53%	99.2%	95.5%
EFA201976	BCE109619	62%	99.2%	94.7%
EFA201976	BFU101594	64%	99.2%	94.0%
EFA201976	BMA109746	63%	99.2%	94.7%
EFA201976	CJU101499	61%	100%	100%
EFA201976	CPN200118	60%	99.2%	96.2%
EFA201976	CTR200784	59%	97.7%	95.5%
EFA201976	CAC100574	80%	96.9%	95.4%
EFA201976	CBO101814	76%	96.9%	94.7%
EFA201976	CDF101597	77%	97.7%	96.2%
EFA201976	CDP100018	71%	95.3%	91.8%
EFA201976	EBC103656	59%	100%	100%
EFA201976	EFA201976	100%	100%	100%
EFA201976	EFM200112	93%	100%	100%
EFA201976	ECO103220	59%	100%	100%
EFA201976	HIN100781	62%	100%	100%
EFA201976	HPY101277	61%	100%	100%
EFA201976	KPN300701	59%	100%	100%
EFA201976	LMO102707	87%	100%	100%
EFA201976	MCA100424	61%	100%	100%
EFA201976	MAV101012	70%	99.2%	94.2%
EFA201976	MBV100327	68%	99.2%	92.1%
EFA201976	MLP101196	72%	93.8%	87.7%
EFA201976	MTU203412	69%	99.2%	92.1%
EFA201976	MGE100179	43%	87.6%	86.3%
EFA201976	MPN100641	48%	92.2%	98.3%
EFA201976	NGO100889	59%	93.8%	92.4%
EFA201976	NME200099	59%	93.8%	92.4%
EFA201976	PMU101392	63%	100%	100%
EFA201976	PRT105644	59%	100%	100%
EFA201976	PAE204238	60%	100%	100%
EFA201976	PPU104532	59%	100%	100%
EFA201976	PSY106472	59%	100%	100%
EFA201976	SPA104318	58%	99.2%	100%
EFA201976	STY101826	60%	100%	100%
EFA201976	SAU802225	85%	100%	100%
EFA201976	SEP200240	85%	100%	100%
EFA201976	SHA100501	85%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201976	SMU100588	86%	96.9%	98.4%
EFA201976	SPN400214	84%	96.9%	98.4%
EFA201976	SPY200062	87%	96.9%	98.4%
EFA201976	TPA100209	60%	96.1%	98.4%
EFA201976	UUR100258	56%	92.2%	98.3%
EFA201976	VCH102536	60%	100%	100%
EFA201976	YPS002491	59%	100%	100%
EFA201977	ABA100126	62%	95.9%	97.5%
EFA201977	BAN113421	85%	33.9%	100%
EFA201977	BAN112977	76%	100%	100%
EFA201977	BFR10423	61%	98.3%	95.2%
EFA201977	BPT100893	53%	100%	100%
EFA201977	BBU100499	52%	99.2%	96.8%
EFA201977	BCE106205	52%	100%	100%
EFA201977	BFU100384	52%	100%	100%
EFA201977	BMA110016	53%	100%	100%
EFA201977	CJU101498	59%	98.3%	99.2%
EFA201977	CPN200117	50%	100%	100%
EFA201977	CTR200785	51%	100%	100%
EFA201977	CAC101837	65%	100%	99.2%
EFA201977	CBO102219	63%	100%	99.2%
EFA201977	CDF103596	61%	100%	99.2%
EFA201977	CDP100016	62%	100%	100%
EFA201977	EBC103659	59%	95.9%	98.3%
EFA201977	EFA201977	100%	100%	100%
EFA201977	EFM200415	91%	100%	100%
EFA201977	ECO103221	58%	95.9%	98.3%
EFA201977	HIN100780	60%	90.9%	90.2%
EFA201977	HPY101278	57%	98.3%	100%
EFA201977	KPN300700	57%	81.8%	98.0%
EFA201977	LMO102428	79%	100%	100%
EFA201977	MCA100423	62%	95.9%	98.3%
EFA201977	MAV101014	61%	100%	98.4%
EFA201977	MBV100329	62%	100%	98.4%
EFA201977	MLP101197	63%	100%	98.4%
EFA201977	MTU203413	62%	100%	98.4%
EFA201977	MGE100178	59%	99.2%	96.8%
EFA201977	MPN100642	57%	99.2%	96.8%
EFA201977	NGO100891	57%	99.2%	100%
EFA201977	NME200100	57%	99.2%	100%
EFA201977	PMU101393	61%	95.9%	98.3%
EFA201977	PRT100020	56%	88.4%	98.2%
EFA201977	PAE204239	62%	95.9%	98.3%
EFA201977	PPU104531	59%	95.9%	98.3%
EFA201977	PSY105783	60%	61.2%	97.4%
EFA201977	SPA104321	58%	95.9%	98.3%
EFA201977	STY101825	58%	95.9%	98.3%
EFA201977	SAU802226	75%	100%	100%
EFA201977	SEP200241	72%	100%	100%
EFA201977	SHA100500	73%	100%	100%
EFA201977	SMU100590	80%	100%	100%
EFA201977	SPN400213	80%	100%	100%
EFA201977	SPY200061	78%	100%	100%
EFA201977	TPA100208	59%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201977	UUR100257	64%	99.2%	97.0%
EFA201977	VCH102537	60%	95.9%	98.3%
EFA201977	YPS002490	56%	95.9%	98.3%
EFA201978	ABA102578	45%	99.5%	100%
EFA201978	BAN108855	53%	98.6%	98.2%
EFA201978	BAN106781	61%	98.6%	98.1%
EFA201978	BFR10586	38%	99.1%	98.4%
EFA201978	BPT101280	49%	86.6%	83.5%
EFA201978	BBU100416	39%	98.6%	98.1%
EFA201978	BCE114693	53%	86.6%	82.7%
EFA201978	BFU106856	52%	86.6%	82.4%
EFA201978	BMA102106	53%	86.6%	82.7%
EFA201978	CJU100600	33%	97.2%	94.3%
EFA201978	CPN200508	39%	97.2%	95.8%
EFA201978	CTR200398	33%	99.1%	87.4%
EFA201978	CAC102891	48%	99.5%	99.5%
EFA201978	CBO103787	53%	98.6%	98.1%
EFA201978	CDF102350	51%	96.8%	94.1%
EFA201978	CDP100003	40%	93.1%	93.4%
EFA201978	EBC103984	44%	98.6%	99.5%
EFA201978	EFA201978	100%	100%	100%
EFA201978	EFM200623	86%	99.5%	100%
EFA201978	ECO100465	45%	98.6%	99.5%
EFA201978	HIN100331	46%	98.6%	99.5%
EFA201978	HPY100611	30%	97.2%	94.8%
EFA201978	KPN303865	44%	98.6%	99.5%
EFA201978	LPN102084	45%	99.1%	99.5%
EFA201978	LMO102187	64%	98.6%	98.6%
EFA201978	MCA101231	45%	98.6%	98.6%
EFA201978	MAV102071	42%	95.8%	95.6%
EFA201978	MBV101628	40%	95.8%	95.6%
EFA201978	MLP101114	39%	95.8%	95.6%
EFA201978	MTU200730	40%	95.8%	95.6%
EFA201978	MGE100174	34%	97.2%	95.8%
EFA201978	MPN100646	32%	97.2%	96.3%
EFA201978	NGO100911	47%	96.8%	97.2%
EFA201978	NME200954	48%	96.8%	97.2%
EFA201978	PMU100284	44%	98.6%	99.5%
EFA201978	PRT104973	44%	98.6%	99.5%
EFA201978	PAE203684	48%	87.5%	85.6%
EFA201978	PPU107935	49%	87.5%	85.2%
EFA201978	PSY104919	45%	72.2%	83.0%
EFA201978	SPA100230	45%	88.0%	79.7%
EFA201978	STY100842	43%	98.6%	99.5%
EFA201978	STM100555	43%	98.6%	99.5%
EFA201978	SAU802229	64%	99.1%	99.1%
EFA201978	SEP200243	63%	99.1%	99.1%
EFA201978	SHA100179	63%	99.5%	99.1%
EFA201978	SMU100597	60%	98.6%	98.1%
EFA201978	SPN400210	59%	98.6%	98.1%
EFA201978	SPY200058	61%	99.5%	99.1%
EFA201978	TPA100588	42%	94.9%	94.3%
EFA201978	UUR100253	32%	100%	99.5%
EFA201978	VCH100969	48%	98.6%	99.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201978	YPS001716	44%	98.6%	99.5%
EFA201979	ABA100105	37%	96.5%	92.0%
EFA201979	BAN100422	46%	52.8%	97.0%
EFA201979	BAN100831	37%	98.6%	98.4%
EFA201979	BAN109756	48%	100%	99.5%
EFA201979	BAN106840	51%	100%	100%
EFA201979	BFR12413	37%	98.6%	94.9%
EFA201979	BPT100873	40%	98.8%	95.7%
EFA201979	BBU100497	35%	97.5%	95.6%
EFA201979	BCE109015	39%	95.8%	97.4%
EFA201979	BFU100380	38%	98.8%	95.1%
EFA201979	BMA107419	39%	95.8%	97.4%
EFA201979	CJU101592	36%	95.6%	97.1%
EFA201979	CPN200116	32%	97.7%	95.5%
EFA201979	CTR200786	33%	99.1%	97.8%
EFA201979	CAC102097	38%	100%	100%
EFA201979	CBO103220	37%	99.5%	99.8%
EFA201979	CDF103985	41%	99.5%	99.8%
EFA201979	CDP100001	40%	97.9%	98.4%
EFA201979	EBC103637	40%	97.2%	94.4%
EFA201979	EFA201979	100%	100%	100%
EFA201979	EFM200235	83%	99.5%	99.8%
EFA201979	ECO103223	40%	97.2%	94.4%
EFA201979	HIN100778	36%	97.2%	94.3%
EFA201979	HPY101282	35%	96.1%	97.6%
EFA201979	KPN300616	39%	78.5%	95.2%
EFA201979	LPN101432	38%	84.5%	98.4%
EFA201979	LMO101544	55%	99.5%	99.8%
EFA201979	MCA100141	36%	96.5%	93.4%
EFA201979	MAV102070	41%	98.1%	95.8%
EFA201979	MBV101627	39%	99.5%	99.8%
EFA201979	MLP101115	40%	99.5%	99.8%
EFA201979	MTU200729	39%	99.5%	99.8%
EFA201979	MGE100173	35%	98.6%	89.5%
EFA201979	MPN100647	35%	98.6%	89.1%
EFA201979	NGO100896	37%	96.5%	94.0%
EFA201979	NME200103	37%	96.5%	94.0%
EFA201979	PMU101395	38%	97.2%	94.3%
EFA201979	PRT100561	50%	35.2%	95.6%
EFA201979	PAE204241	38%	97.7%	94.1%
EFA201979	PPU112340	37%	97.7%	93.9%
EFA201979	PSY100299	37%	97.7%	93.7%
EFA201979	SPA104324	40%	95.6%	96.0%
EFA201979	STY101824	40%	97.2%	94.4%
EFA201979	SAU802230	46%	99.3%	99.3%
EFA201979	SEP200245	47%	99.3%	99.3%
EFA201979	SHA100178	43%	85.4%	98.9%
EFA201979	SMU100598	62%	99.5%	98.8%
EFA201979	SPN400209	60%	99.8%	99.1%
EFA201979	SPY200057	62%	99.3%	98.6%
EFA201979	TPA100206	36%	97.2%	92.9%
EFA201979	UUR100252	31%	98.4%	92.4%
EFA201979	VCH102539	36%	97.7%	94.8%
EFA201979	YPS002488	40%	97.2%	94.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201980	ABA100106	47%	98.6%	97.9%
EFA201980	BAN100388	63%	100%	100%
EFA201980	BAN101282	78%	100%	100%
EFA201980	BFR100671	50%	97.9%	98.0%
EFA201980	BPT100871	51%	97.9%	97.3%
EFA201980	BBU100496	49%	96.6%	97.2%
EFA201980	BCE108533	51%	97.3%	97.9%
EFA201980	BFU100391	52%	97.3%	97.9%
EFA201980	BMA101533	52%	97.3%	97.9%
EFA201980	CJU101593	42%	81.5%	89.2%
EFA201980	CPN200115	38%	81.5%	84.0%
EFA201980	CTR200787	43%	86.3%	88.9%
EFA201980	CAC101804	67%	100%	100%
EFA201980	CBO103582	69%	100%	100%
EFA201980	CDF100735	65%	100%	98%
EFA201980	CDP101730	51%	97.9%	95.3%
EFA201980	EBC103640	50%	98.6%	99.3%
EFA201980	EFA201980	100%	100%	100%
EFA201980	EFM201975	93%	100%	100%
EFA201980	ECO103224	52%	98.6%	99.3%
EFA201980	HIN100777	52%	98.6%	99.3%
EFA201980	HPY101283	38%	91.8%	98.5%
EFA201980	KPN300615	49%	95.2%	99.3%
EFA201980	LPN100259	45%	98.6%	99.3%
EFA201980	LMO102003	78%	100%	100%
EFA201980	MCA100140	47%	98.6%	97.9%
EFA201980	MAV102081	52%	97.9%	96.6%
EFA201980	MBV101609	49%	97.3%	95.9%
EFA201980	MLP101118	52%	97.9%	96.6%
EFA201980	MTU200720	51%	97.3%	95.9%
EFA201980	MGE100172	42%	100%	99.3%
EFA201980	MPN100648	38%	100%	98.7%
EFA201980	NGO100899	46%	99.3%	100%
EFA201980	NME200104	47%	99.3%	100%
EFA201980	PMU101396	49%	98.6%	99.3%
EFA201980	PRT103332	47%	98.6%	99.3%
EFA201980	PAE204242	45%	98.6%	99.3%
EFA201980	PPU104529	47%	98.6%	99.3%
EFA201980	PSY107337	49%	98.6%	99.3%
EFA201980	SPA104326	52%	98.6%	99.3%
EFA201980	STY101823	52%	98.6%	99.3%
EFA201980	SAU802231	78%	100%	100%
EFA201980	SEP200247	78%	100%	100%
EFA201980	SHA100093	79%	58.9%	100%
EFA201980	SMU100599	83%	100%	100%
EFA201980	SPN400208	87%	100%	100%
EFA201980	SPY200056	84%	100%	100%
EFA201980	TPA100205	50%	97.9%	94.1%
EFA201980	UUR100251	47%	100%	99.3%
EFA201980	VCH102540	50%	98.6%	99.3%
EFA201980	YPS002485	50%	98.6%	99.3%
EFA201981	ABA100109	55%	94.0%	94.5%
EFA201981	BAN111381	78%	97.6%	98.2%
EFA201981	BAN112822	79%	98.2%	98.2%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201981	BFR10783	53%	94.0%	90.7%
EFA201981	BPT100869	51%	94.0%	91.2%
EFA201981	BBU100494	52%	100%	100%
EFA201981	BCE102110	50%	77.7%	94.9%
EFA201981	BFU100390	50%	99.4%	95.9%
EFA201981	BMA101481	51%	99.4%	97.6%
EFA201981	CJU101594	61%	83.7%	94.6%
EFA201981	CPN200114	43%	94.6%	95.2%
EFA201981	CTR200788	46%	91.0%	92.1%
EFA201981	CAC100146	68%	98.2%	98.8%
EFA201981	CBO100463	65%	98.2%	98.8%
EFA201981	CDF100733	68%	98.2%	96.4%
EFA201981	CDP101728	62%	91.6%	73.1%
EFA201981	EBC103648	54%	100%	100%
EFA201981	EFA201981	100%	100%	100%
EFA201981	EFM200438	97%	100%	100%
EFA201981	ECO103226	54%	100%	99.4%
EFA201981	HIN100775	56%	94.6%	94.6%
EFA201981	HPY101284	61%	83.7%	90.8%
EFA201981	KPN300491	54%	100%	99.4%
EFA201981	LPN100995	52%	96.4%	95.2%
EFA201981	LMO101368	77%	98.2%	97.6%
EFA201981	MCA100160	54%	94.0%	94.5%
EFA201981	MAV102079	59%	91.6%	67.6%
EFA201981	MBV101605	60%	91.6%	69.1%
EFA201981	MLP101120	60%	88.0%	67.3%
EFA201981	MTU200718	60%	91.6%	69.1%
EFA201981	MGE100171	47%	93.4%	73.5%
EFA201981	MPN100649	47%	93.4%	70.8%
EFA201981	NGO100919	50%	94.0%	90.7%
EFA201981	NME200106	50%	94.0%	90.7%
EFA201981	PMU101398	53%	100%	100%
EFA201981	PRT100558	53%	100%	100%
EFA201981	PAE204244	52%	92.2%	92.2%
EFA201981	PPU104527	51%	91.6%	91.6%
EFA201981	PSY105833	50%	92.2%	92.2%
EFA201981	SPA104328	54%	100%	99.4%
EFA201981	STY101822	54%	100%	99.4%
EFA201981	SAU802233	72%	93.4%	93.4%
EFA201981	SEP200249	73%	93.4%	93.4%
EFA201981	SHA100091	73%	93.4%	93.4%
EFA201981	SMU100600	84%	94.0%	95.1%
EFA201981	SPN400206	84%	94.0%	95.1%
EFA201981	SPY200054	85%	94.0%	95.1%
EFA201981	TPA100204	52%	94.6%	91.3%
EFA201981	UUR100250	55%	92.2%	75.9%
EFA201981	VCH102542	52%	93.4%	92.8%
EFA201981	YPS002482	53%	100%	99.4%
EFA201982	ABA100110	46%	95.8%	98.3%
EFA201982	BAN106991	70%	100%	100%
EFA201982	BFR100058	55%	74.6%	100%
EFA201982	BPT100868	47%	95.8%	99.2%
EFA201982	BBU100493	39%	97.5%	95.8%
EFA201982	BCE113907	44%	95.8%	99.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201982	BFU100389	43%	95.8%	99.2%
EFA201982	BMA109275	44%	95.8%	99.2%
EFA201982	CJU101595	43%	89.8%	88.1%
EFA201982	CPN200113	43%	94.9%	94.3%
EFA201982	CTR200789	43%	94.9%	94.3%
EFA201982	CAC102283	65%	95.8%	98.3%
EFA201982	CBO100811	59%	100%	97.5%
EFA201982	CDF103929	59%	100%	100%
EFA201982	CDP101725	55%	91.5%	81.5%
EFA201982	EBC103652	50%	95.8%	99.1%
EFA201982	EFA201982	100%	100%	100%
EFA201982	EFM200146	93%	100%	100%
EFA201982	ECO103227	50%	95.8%	99.1%
EFA201982	HIN100774	47%	95.8%	99.1%
EFA201982	HPY101285	41%	93.2%	90.8%
EFA201982	KPN300490	50%	95.8%	99.1%
EFA201982	LPN101342	42%	95.8%	99.2%
EFA201982	LMO102391	74%	100%	100%
EFA201982	MCA100159	49%	95.8%	98.3%
EFA201982	MAV102077	50%	92.4%	82.2%
EFA201982	MBV101604	52%	92.4%	91.0%
EFA201982	MLP101121	50%	92.4%	91.7%
EFA201982	MTU200717	52%	92.4%	91.0%
EFA201982	MGE100170	42%	94.9%	98.3%
EFA201982	MPN100650	39%	94.9%	97.4%
EFA201982	NGO100921	52%	95.8%	99.1%
EFA201982	NME200107	52%	95.8%	99.1%
EFA201982	PMU101399	48%	95.8%	99.1%
EFA201982	PRT100557	51%	95.8%	99.1%
EFA201982	PAE204245	51%	94.9%	97.4%
EFA201982	PPU104526	52%	95.8%	98.3%
EFA201982	PSY105780	56%	78.0%	95.9%
EFA201982	SPA104494	44%	95.8%	99.1%
EFA201982	STY101821	50%	95.8%	99.1%
EFA201982	SAU802234	68%	100%	100%
EFA201982	SEP200251	67%	100%	100%
EFA201982	SHA100055	65%	100%	100%
EFA201982	SMU100601	82%	100%	100%
EFA201982	SPN400205	82%	100%	100%
EFA201982	SPY200053	80%	100%	100%
EFA201982	TPA100203	45%	95.8%	95%
EFA201982	UUR100249	43%	91.5%	88.4%
EFA201982	VCH102543	46%	95.8%	99.1%
EFA201982	YPS002455	49%	95.8%	99.1%
EFA201983	ABA100111	45%	98.3%	98.9%
EFA201983	BAN102950	59%	98.3%	99.4%
EFA201983	BAN110172	63%	100%	100%
EFA201983	BFR10781	42%	98.9%	97.9%
EFA201983	BPT100867	49%	98.3%	98.9%
EFA201983	BBU100492	42%	99.4%	98.3%
EFA201983	BCE105068	46%	98.3%	98.9%
EFA201983	BFU100388	48%	98.3%	98.9%
EFA201983	BMA103347	46%	98.3%	98.9%
EFA201983	CJU101596	45%	100%	99.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201983	CPN200112	45%	100%	97.8%
EFA201983	CTR200790	49%	100%	97.8%
EFA201983	CAC101071	56%	100%	100%
EFA201983	CBO102597	58%	100%	99.4%
EFA201983	CDF100753	58%	100%	99.4%
EFA201983	CDP101722	49%	100%	100%
EFA201983	EBC103655	48%	98.3%	98.9%
EFA201983	EFA201983	100%	100%	100%
EFA201983	EFM201241	88%	100%	100%
EFA201983	ECO103228	48%	98.3%	98.9%
EFA201983	HIN100773	49%	98.3%	98.9%
EFA201983	HPY101286	39%	100%	99.4%
EFA201983	KPN300489	60%	18.5%	94.3%
EFA201983	LPN100869	45%	98.3%	98.9%
EFA201983	LMO102101	72%	100%	100%
EFA201983	MCA100158	48%	98.3%	98.9%
EFA201983	MAV102075	46%	100%	100%
EFA201983	MBV101643	48%	100%	100%
EFA201983	MLP101122	48%	100%	100%
EFA201983	MTU200716	48%	100%	100%
EFA201983	MGE100169	43%	100%	98.4%
EFA201983	MPN100651	43%	100%	98.4%
EFA201983	NGO100923	48%	98.3%	98.9%
EFA201983	NME200108	49%	98.3%	98.9%
EFA201983	PMU101400	49%	98.3%	98.9%
EFA201983	PRT100556	51%	98.3%	98.9%
EFA201983	PAE204246	49%	98.3%	98.9%
EFA201983	PPU104525	49%	98.3%	98.9%
EFA201983	PSY100295	48%	98.3%	98.9%
EFA201983	SPA104330	48%	98.3%	98.9%
EFA201983	STY101820	48%	98.3%	98.9%
EFA201983	SAU802235	63%	100%	100%
EFA201983	SEP200253	62%	100%	100%
EFA201983	SHA100054	72%	59.6%	99.1%
EFA201983	SMU100602	73%	100%	100%
EFA201983	SPN400204	74%	100%	100%
EFA201983	SPY200052	71%	100%	100%
EFA201983	TPA100202	46%	99.4%	98.9%
EFA201983	UUR100248	42%	98.9%	97.3%
EFA201983	VCH102544	51%	98.3%	98.9%
EFA201983	YPS002454	49%	98.3%	98.9%
EFA201984	ABA100112	49%	99.2%	99.2%
EFA201984	BAN113611	80%	98.5%	95.6%
EFA201984	BAN101892	81%	100%	100%
EFA201984	BFR10780	54%	98.5%	100%
EFA201984	BPT100866	48%	99.2%	99.2%
EFA201984	BBU100491	43%	100%	100%
EFA201984	BCE101537	50%	99.2%	99.2%
EFA201984	BFU100387	49%	99.2%	99.2%
EFA201984	BMA101128	51%	99.2%	99.2%
EFA201984	CJU101597	42%	99.2%	100%
EFA201984	CPN200111	45%	97.7%	97.0%
EFA201984	CTR200791	45%	99.2%	98.5%
EFA201984	CAC102421	62%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201984	CBO102964	61%	100%	100%
EFA201984	CDF100752	67%	100%	100%
EFA201984	CDP101719	55%	100%	100%
EFA201984	EBC103658	48%	99.2%	99.2%
EFA201984	EFA201984	100%	100%	100%
EFA201984	EFM200970	95%	100%	100%
EFA201984	ECO103229	48%	99.2%	99.2%
EFA201984	HIN100772	47%	99.2%	99.2%
EFA201984	HPY101287	41%	99.2%	100%
EFA201984	KPN300573	48%	87.1%	98.3%
EFA201984	LPN100471	45%	99.2%	99.2%
EFA201984	LMO100791	83%	100%	100%
EFA201984	MCA100157	47%	99.2%	99.2%
EFA201984	MAV102073	56%	100%	100%
EFA201984	MBV101642	56%	100%	100%
EFA201984	MLP101123	56%	100%	100%
EFA201984	MTU200715	56%	100%	100%
EFA201984	MGE100168	48%	97.0%	92.2%
EFA201984	MPN100652	50%	97.0%	91.5%
EFA201984	NGO100925	47%	99.2%	99.2%
EFA201984	NME200109	47%	99.2%	99.2%
EFA201984	PMU101401	45%	99.2%	99.2%
EFA201984	PRT100555	47%	99.2%	99.2%
EFA201984	PAE204247	46%	100%	100%
EFA201984	PPU108197	44%	100%	100%
EFA201984	PSY108276	45%	100%	100%
EFA201984	SPA104332	48%	99.2%	99.2%
EFA201984	STY101809	48%	99.2%	99.2%
EFA201984	SAU802236	78%	100%	100%
EFA201984	SEP200255	80%	100%	100%
EFA201984	SHA101609	76%	72.7%	100%
EFA201984	SMU100603	78%	100%	100%
EFA201984	SPN400203	81%	100%	100%
EFA201984	SPY200051	84%	100%	100%
EFA201984	TPA100201	49%	100%	100%
EFA201984	UUR100247	48%	97.0%	97.7%
EFA201984	VCH102545	45%	99.2%	99.2%
EFA201984	YPS002453	52%	99.2%	99.2%
EFA201985	ABA100107	58%	85.5%	100%
EFA201985	BAN113536	72%	100%	100%
EFA201985	BAN110693	82%	100%	100%
EFA201985	BFR10778	54%	97.8%	94.1%
EFA201985	BPT100865	55%	99.4%	99.4%
EFA201985	BBU100489	59%	97.2%	95.6%
EFA201985	BCE101479	58%	99.4%	99.4%
EFA201985	BFU100385	60%	99.4%	99.4%
EFA201985	BMA102975	58%	99.4%	99.4%
EFA201985	CJU101599	51%	100%	98.9%
EFA201985	CPN200110	50%	100%	98.9%
EFA201985	CTR200792	53%	100%	98.9%
EFA201985	CAC100782	68%	97.8%	97.2%
EFA201985	CBO103765	66%	100%	99.4%
EFA201985	CDF100751	70%	99.4%	98.9%
EFA201985	CDP101582	59%	98.9%	94.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201985	EBC103664	59%	100%	100%
EFA201985	EFA201985	100%	100%	100%
EFA201985	EFM200921	95%	100%	100%
EFA201985	ECO103231	60%	100%	100%
EFA201985	HIN100770	58%	100%	100%
EFA201985	HPY101289	51%	98.3%	97.2%
EFA201985	KPN300575	63%	79.3%	100%
EFA201985	LPN102846	52%	41.3%	93.7%
EFA201985	LMO101852	82%	100%	100%
EFA201985	MCA100155	55%	99.4%	100%
EFA201985	MAV102069	59%	98.9%	94.7%
EFA201985	MBV101640	58%	98.9%	94.7%
EFA201985	MLP101125	58%	98.9%	94.7%
EFA201985	MTU200713	58%	98.9%	94.7%
EFA201985	MGE100166	54%	100%	99.4%
EFA201985	MPN100654	56%	100%	99.4%
EFA201985	NGO100929	55%	99.4%	99.4%
EFA201985	NME200111	55%	99.4%	99.4%
EFA201985	PMU101403	59%	100%	100%
EFA201985	PRT100553	58%	100%	94.2%
EFA201985	PAE204249	58%	99.4%	99.4%
EFA201985	PPU104523	56%	99.4%	99.4%
EFA201985	PSY100243	60%	46.4%	98.8%
EFA201985	SPA104334	59%	100%	100%
EFA201985	STY101807	59%	100%	100%
EFA201985	SAU802238	83%	100%	100%
EFA201985	SEP200260	82%	100%	100%
EFA201985	SHA100780	82%	100%	100%
EFA201985	SMU100604	84%	99.4%	98.9%
EFA201985	SPN400201	82%	99.4%	98.9%
EFA201985	SPY200049	83%	99.4%	98.9%
EFA201985	TPA100199	53%	98.3%	95.1%
EFA201985	UUR100245	59%	98.3%	95.7%
EFA201985	VCH102547	59%	100%	100%
EFA201985	YPS002451	58%	100%	100%
EFA201986	ABA102167	64%	93.4%	99.1%
EFA201986	BAN108009	91%	100%	100%
EFA201986	BFR100659	64%	100%	100%
EFA201986	BPT100864	62%	100%	100%
EFA201986	BBU100487	58%	100%	98.4%
EFA201986	BCE113728	68%	100%	100%
EFA201986	BFU100381	68%	100%	100%
EFA201986	BMA101057	68%	100%	100%
EFA201986	CJU101601	68%	100%	100%
EFA201986	CPN200108	59%	100%	100%
EFA201986	CTR200794	61%	100%	100%
EFA201986	CAC101685	76%	100%	100%
EFA201986	CBO100636	80%	100%	100%
EFA201986	CDF102312	83%	100%	100%
EFA201986	CDP101578	80%	100%	100%
EFA201986	EBC103643	63%	100%	100%
EFA201986	EFA201986	100%	100%	100%
EFA201986	EFM201996	96%	100%	100%
EFA201986	ECO103233	62%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201986	HIN100768	65%	100%	100%
EFA201986	HPY101291	63%	100%	100%
EFA201986	KPN305016	65%	66.4%	98.8%
EFA201986	LMO100716	94%	100%	100%
EFA201986	MCA100153	64%	100%	100%
EFA201986	MAV102065	77%	100%	100%
EFA201986	MBV101638	77%	100%	100%
EFA201986	MLP101127	74%	92.6%	100%
EFA201986	MTU200711	77%	100%	100%
EFA201986	MGE100164	59%	100%	100%
EFA201986	MPN100656	59%	100%	100%
EFA201986	NGO100934	63%	100%	100%
EFA201986	NME200113	63%	100%	100%
EFA201986	PMU101405	65%	100%	100%
EFA201986	PRT103251	60%	97.5%	100%
EFA201986	PAE204251	66%	100%	100%
EFA201986	PPU108200	66%	100%	100%
EFA201986	PSY100106	66%	100%	100%
EFA201986	SPA104303	63%	100%	100%
EFA201986	STY101805	63%	100%	100%
EFA201986	SAU802240	90%	100%	100%
EFA201986	SEP200262	89%	100%	100%
EFA201986	SHA100778	90%	100%	85.3%
EFA201986	SMU100606	93%	100%	100%
EFA201986	SPN400199	90%	100%	100%
EFA201986	SPY200047	89%	100%	100%
EFA201986	TPA100197	63%	100%	100%
EFA201986	UUR100243	60%	100%	100%
EFA201986	VCH102549	62%	100%	100%
EFA201986	YPS002449	64%	100%	100%
EFA201987	ABA100087	51%	81.2%	98.3%
EFA201987	BAN105442	81%	99.3%	99.3%
EFA201987	BFR12478	56%	94.4%	94.4%
EFA201987	BPT104060	52%	93.1%	97.1%
EFA201987	BBU100484	57%	95.1%	99.3%
EFA201987	BCE110254	53%	93.8%	97.8%
EFA201987	BFU100274	53%	93.8%	97.8%
EFA201987	BMA108797	53%	93.8%	97.8%
EFA201987	CJU101604	59%	93.8%	95.7%
EFA201987	CPN200105	54%	94.4%	98.6%
EFA201987	CTR200797	54%	94.4%	98.6%
EFA201987	CAC102622	62%	100%	100%
EFA201987	CBO103643	65%	100%	100%
EFA201987	CDF100749	64%	97.2%	100%
EFA201987	CDP101572	56%	50.7%	97.3%
EFA201987	EBC103654	53%	95.1%	100%
EFA201987	EFA201987	100%	100%	100%
EFA201987	EFM200770	95%	100%	100%
EFA201987	ECO103236	53%	95.1%	100%
EFA201987	HIN100764	53%	95.1%	100%
EFA201987	HPY101294	53%	93.8%	95.7%
EFA201987	KPN300638	52%	86.8%	100%
EFA201987	LMO101423	90%	99.3%	99.3%
EFA201987	MCA100019	55%	95.1%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201987	MAV102093	52%	94.4%	98.6%
EFA201987	MBV101012	52%	94.4%	98.6%
EFA201987	MLP101130	54%	94.4%	98.6%
EFA201987	MTU200705	54%	94.4%	98.6%
EFA201987	MGE100161	51%	94.4%	98.6%
EFA201987	MPN100659	54%	95.1%	98.6%
EFA201987	NGO100936	51%	93.8%	97.8%
EFA201987	NME200116	51%	93.8%	97.8%
EFA201987	PMU101408	52%	95.1%	100%
EFA201987	PRT100078	54%	95.1%	100%
EFA201987	PAE204254	54%	95.1%	100%
EFA201987	PPU104518	52%	95.1%	100%
EFA201987	PSY103397	52%	95.1%	100%
EFA201987	SPA104307	53%	95.1%	100%
EFA201987	STY101803	53%	95.1%	100%
EFA201987	SAU802243	74%	99.3%	99.3%
EFA201987	SEP200265	74%	99.3%	99.3%
EFA201987	SHA100775	74%	99.3%	99.3%
EFA201987	SMU100608	94%	93.8%	98.5%
EFA201987	SPN400196	92%	93.8%	98.5%
EFA201987	SPY200044	91%	93.8%	98.5%
EFA201987	TPA100194	50%	92.4%	95.7%
EFA201987	UUR100240	56%	94.4%	98.6%
EFA201987	VCH102552	55%	95.1%	100%
EFA201987	YPS002443	56%	95.1%	100%
EFA201993	ABA100086	60%	95.0%	90.0%
EFA201993	BAN112122	76%	83.0%	100%
EFA201993	BAN102487	78%	100%	100%
EFA201993	BFR10672	57%	94.5%	84.4%
EFA201993	BPT100851	51%	95.0%	79.1%
EFA201993	BBU100483	46%	99.1%	75.1%
EFA201993	BCE110191	52%	95.0%	78.2%
EFA201993	BFU100273	52%	95.0%	90.8%
EFA201993	BMA108753	52%	95.0%	78.2%
EFA201993	CJU101605	54%	98.6%	92.7%
EFA201993	CPN200104	55%	94.0%	92.4%
EFA201993	CTR200798	54%	94.0%	92.0%
EFA201993	CAC103109	63%	98.6%	97.7%
EFA201993	CBO100517	63%	97.2%	96.0%
EFA201993	CDF100748	59%	96.3%	78.2%
EFA201993	CDP101570	54%	98.2%	84.0%
EFA201993	EBC103657	59%	95.0%	89.3%
EFA201993	EFA201993	100%	100%	100%
EFA201993	EFM201332	96%	100%	100%
EFA201993	ECO103237	59%	95.0%	89.3%
EFA201993	HIN100763	60%	95.0%	88.5%
EFA201993	HPY101295	52%	98.6%	92.3%
EFA201993	KPN300639	59%	95.0%	89.7%
EFA201993	LMO101810	84%	100%	100%
EFA201993	MCA100254	59%	95.0%	86.7%
EFA201993	MAV102092	54%	96.8%	75.7%
EFA201993	MBV101013	55%	96.8%	77.4%
EFA201993	MLP101131	55%	96.8%	75.4%
EFA201993	MTU200704	55%	96.8%	77.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201993	MGE100160	43%	94.5%	78.4%
EFA201993	MPN100660	42%	94.5%	76.9%
EFA201993	NGO100939	53%	98.2%	93.9%
EFA201993	NME200117	54%	98.2%	93.9%
EFA201993	PMU101409	59%	95.0%	88.5%
EFA201993	PRT103066	57%	100%	94.0%
EFA201993	PAE204255	61%	95.0%	91.2%
EFA201993	PPU104517	60%	95.0%	87.8%
EFA201993	PSY103396	60%	95.0%	91.2%
EFA201993	SPA104309	59%	95.0%	89.3%
EFA201993	STY101802	59%	95.0%	89.3%
EFA201993	SAU802244	77%	100%	100%
EFA201993	SEP200267	76%	100%	100%
EFA201993	SHA100774	77%	100%	100%
EFA201993	SMU100609	88%	100%	100%
EFA201993	SPN400195	87%	100%	100%
EFA201993	SPY200043	86%	100%	100%
EFA201993	TPA100193	50%	93.6%	83.8%
EFA201993	UUR100239	47%	96.3%	83.3%
EFA201993	VCH102553	58%	95.0%	89.3%
EFA201993	YPS002439	60%	95.0%	89.7%
EFA201997	ABA100084	69%	100%	100%
EFA201997	BAN101977	63%	98.9%	100%
EFA201997	BAN110916	78%	100%	100%
EFA201997	BFR104321	61%	96.7%	100%
EFA201997	BPT104048	68%	100%	100%
EFA201997	BBU100481	56%	100%	100%
EFA201997	BCE112635	69%	98.9%	100%
EFA201997	BFU104367	69%	98.9%	100%
EFA201997	BMA100281	69%	98.9%	100%
EFA201997	CJU101607	60%	96.7%	95.7%
EFA201997	CPN200102	59%	90.2%	94.3%
EFA201997	CTR200800	59%	90.2%	94.3%
EFA201997	CAC101096	65%	97.8%	96.8%
EFA201997	CBO102193	62%	98.9%	86.4%
EFA201997	CDF103424	67%	100%	98.9%
EFA201997	CDP101567	68%	100%	100%
EFA201997	EBC103663	66%	100%	100%
EFA201997	EFA201997	100%	100%	100%
EFA201997	EFM202484	93%	100%	100%
EFA201997	ECO103239	66%	100%	100%
EFA201997	HIN100761	68%	98.9%	100%
EFA201997	HPY101297	58%	96.7%	95.7%
EFA201997	KPN300699	66%	100%	100%
EFA201997	LMO100277	89%	100%	100%
EFA201997	MCA100252	65%	100%	100%
EFA201997	MAV102090	71%	100%	98.9%
EFA201997	MBV101015	70%	100%	98.9%
EFA201997	MLP101133	71%	100%	98.9%
EFA201997	MTU200702	70%	100%	98.9%
EFA201997	MGE100158	60%	93.5%	98.9%
EFA201997	MPN100662	61%	93.5%	98.9%
EFA201997	NGO102970	64%	100%	100%
EFA201997	NME200119	64%	100%	100%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201997	PMU101411	68%	98.9%	100%
EFA201997	PRT100323	68%	100%	100%
EFA201997	PAE204257	69%	100%	100%
EFA201997	PPU111002	69%	100%	100%
EFA201997	PSY101086	68%	100%	100%
EFA201997	SPA104313	66%	100%	100%
EFA201997	STY101800	66%	100%	100%
EFA201997	SAU802246	83%	100%	100%
EFA201997	SEP200271	83%	100%	100%
EFA201997	SHA100772	83%	100%	100%
EFA201997	SMU102869	89%	41.3%	95%
EFA201997	SPN400192	90%	100%	98.9%
EFA201997	SPY200041	90%	100%	100%
EFA201997	TPA100191	57%	100%	100%
EFA201997	UUR100237	60%	90.2%	94.3%
EFA201997	VCH102555	65%	100%	100%
EFA201997	YPS001864	67%	100%	100%
EFA201999	ABA100083	54%	100%	100%
EFA201999	BAN100305	77%	59.1%	100%
EFA201999	BFR10675	60%	100%	100%
EFA201999	BPT100850	57%	100%	100%
EFA201999	BBU100480	58%	100%	100%
EFA201999	BCE100228	60%	100%	99.6%
EFA201999	BFU100271	60%	100%	99.6%
EFA201999	BMA102202	60%	100%	99.6%
EFA201999	CJU101608	57%	99.3%	98.9%
EFA201999	CPN200101	52%	98.9%	99.3%
EFA201999	CTR200801	50%	98.9%	99.3%
EFA201999	CAC101509	67%	99.3%	98.9%
EFA201999	CBO101184	67%	99.3%	98.9%
EFA201999	CDF100747	65%	100%	100%
EFA201999	CDP101565	62%	99.3%	97.1%
EFA201999	EBC103628	58%	100%	100%
EFA201999	EFA201999	100%	100%	100%
EFA201999	EFM200310	94%	82.2%	98.7%
EFA201999	ECO103240	58%	100%	100%
EFA201999	HIN100760	57%	100%	100%
EFA201999	HPY101298	59%	99.3%	98.9%
EFA201999	KPN300698	58%	100%	100%
EFA201999	LMO100597	84%	100%	99.6%
EFA201999	MCA100251	56%	99.3%	98.5%
EFA201999	MAV102089	63%	99.3%	97.1%
EFA201999	MBV101016	63%	99.3%	97.1%
EFA201999	MLP101134	61%	99.3%	97.1%
EFA201999	MTU200701	63%	99.3%	97.1%
EFA201999	MGE100157	57%	99.3%	98.2%
EFA201999	MPN100663	53%	99.3%	98.3%
EFA201999	NGO101613	62%	99.3%	98.2%
EFA201999	NME200120	62%	99.3%	98.2%
EFA201999	PMU101412	58%	100%	100%
EFA201999	PRT100324	58%	100%	99.6%
EFA201999	PAE204258	56%	99.3%	99.6%
EFA201999	PPU104505	57%	99.3%	99.6%
EFA201999	PSY107059	57%	99.3%	99.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA201999	SPA104315	57%	100%	100%
EFA201999	STY101789	57%	100%	100%
EFA201999	SAU802247	78%	100%	99.6%
EFA201999	SEP200273	77%	100%	99.6%
EFA201999	SHA100771	78%	100%	99.6%
EFA201999	SPN400191	83%	100%	99.6%
EFA201999	SPY200040	84%	100%	99.6%
EFA201999	TPA100190	57%	99.3%	99.6%
EFA201999	UUR100236	59%	99.3%	99.6%
EFA201999	VCH102556	60%	100%	100%
EFA201999	YPS001863	59%	100%	99.6%
EFA202001	ABA100081	42%	90.3%	93%
EFA202001	BFR10676	44%	98.1%	98.6%
EFA202001	BPT100849	37%	95.2%	96.1%
EFA202001	BBU100478	39%	96.1%	96.2%
EFA202001	BCE103118	36%	97.6%	98.1%
EFA202001	BFU100270	34%	97.6%	98.1%
EFA202001	BMA104332	37%	62.3%	97.0%
EFA202001	CJU101610	36%	97.6%	98.0%
EFA202001	CPN200099	32%	96.6%	94.6%
EFA202001	CTR200803	33%	96.6%	94.6%
EFA202001	CAC100377	43%	100%	100%
EFA202001	CBO103307	44%	100%	100%
EFA202001	CDF100746	49%	100%	95.4%
EFA202001	CDP101562	39%	91.8%	88.0%
EFA202001	EBC101609	43%	91.8%	94.0%
EFA202001	EFA202001	100%	100%	100%
EFA202001	ECO103242	42%	92.3%	94.5%
EFA202001	HIN100758	42%	92.3%	95%
EFA202001	HPY101300	35%	77.8%	78.6%
EFA202001	KPN300696	41%	92.3%	94.5%
EFA202001	LMO102640	67%	100%	100%
EFA202001	MCA100249	44%	92.3%	95%
EFA202001	MAV102087	44%	91.3%	87.6%
EFA202001	MBV101018	43%	91.3%	85.2%
EFA202001	MLP101136	42%	91.8%	83.0%
EFA202001	MTU200699	43%	91.3%	85.2%
EFA202001	MGE100155	37%	99.5%	99.5%
EFA202001	MPN100665	39%	98.1%	98.1%
EFA202001	NGO101615	35%	93.7%	94.2%
EFA202001	NME200122	36%	93.7%	94.2%
EFA202001	PMU101414	42%	92.3%	95%
EFA202001	PRT103342	43%	93.2%	95.5%
EFA202001	PAE204260	44%	91.8%	94.5%
EFA202001	PPU104504	42%	91.8%	94.5%
EFA202001	PSY108736	42%	91.8%	94.5%
EFA202001	SPA104319	42%	92.3%	95%
EFA202001	STY101787	42%	92.3%	94.5%
EFA202001	SAU802249	61%	99.5%	99.5%
EFA202001	SEP200280	63%	100%	100%
EFA202001	SHA100769	61%	99.5%	99.5%
EFA202001	SMU101861	67%	15.0%	100%
EFA202001	SPN400189	73%	100%	100%
EFA202001	SPY200038	74%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202001	TPA100188	36%	96.1%	92.1%
EFA202001	UUR100234	38%	96.6%	96.2%
EFA202001	VCH102558	46%	92.3%	95%
EFA202001	YPS001862	43%	93.2%	95.5%
EFA202003	ABA100080	45%	45.9%	100%
EFA202003	BFR10677	52%	95.7%	98.5%
EFA202003	BPT100848	49%	98.1%	91.7%
EFA202003	BBU100477	50%	97.6%	99.0%
EFA202003	BCE112456	46%	100%	98.2%
EFA202003	BFU100269	45%	100%	97.3%
EFA202003	BMA106660	45%	100%	97.3%
EFA202003	CJU101611	34%	94.7%	96.9%
EFA202003	CPN200098	41%	95.2%	95.0%
EFA202003	CTR200804	41%	95.2%	94.1%
EFA202003	CAC103369	58%	99.5%	100%
EFA202003	CBO101061	59%	99.5%	96.8%
EFA202003	CDF100745	66%	98.1%	98.1%
EFA202003	CDP100915	54%	98.1%	95.0%
EFA202003	EBC101610	50%	98.1%	99.0%
EFA202003	EFA202003	100%	100%	100%
EFA202003	ECO103243	50%	98.1%	99.0%
EFA202003	HIN100757	49%	98.1%	99.0%
EFA202003	HPY101301	31%	90.4%	92.7%
EFA202003	KPN300695	48%	43.1%	100%
EFA202003	LMO102018	77%	100%	100%
EFA202003	MCA100248	48%	99.5%	100%
EFA202003	MAV102086	52%	98.1%	96.8%
EFA202003	MBV100990	50%	98.1%	96.8%
EFA202003	MLP101137	50%	98.1%	96.3%
EFA202003	MTU200698	50%	98.1%	96.8%
EFA202003	MGE100154	40%	98.1%	81.3%
EFA202003	MPN100666	38%	98.1%	72.8%
EFA202003	NGO101617	48%	99.0%	98.6%
EFA202003	NME200123	48%	99.0%	98.6%
EFA202003	PMU101415	50%	98.1%	99.0%
EFA202003	PRT102977	51%	98.1%	99.0%
EFA202003	PAE204261	51%	100%	99.5%
EFA202003	PPU111511	51%	100%	99.5%
EFA202003	PSY106254	51%	100%	94.6%
EFA202003	SPA104320	48%	98.1%	99.0%
EFA202003	STY101786	50%	98.1%	99.0%
EFA202003	SAU802250	64%	99.0%	98.2%
EFA202003	SEP200281	62%	99.0%	98.2%
EFA202003	SHA100768	62%	60.3%	96.9%
EFA202003	SMU100611	86%	99.5%	99.0%
EFA202003	SPN400188	87%	99.5%	99.0%
EFA202003	SPY200037	85%	99.5%	99.0%
EFA202003	TPA100187	41%	97.6%	97.6%
EFA202003	UUR100233	50%	98.1%	88.8%
EFA202003	VCH102559	53%	98.1%	99.0%
EFA202003	YPS001861	50%	98.1%	99.0%
EFA202006	ABA100233	75%	33.4%	98.5%
EFA202006	ABA100062	76%	99.5%	99.5%
EFA202006	BAN106076	82%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202006	BFR12122	73%	99.7%	99.7%
EFA202006	BPT100044	77%	100%	100%
EFA202006	BPT100847	77%	100%	100%
EFA202006	BBU100475	64%	100%	98.3%
EFA202006	BCE112288	67%	15.7%	100%
EFA202006	BCE106056	79%	51.9%	99.0%
EFA202006	BCE108906	77%	100%	100%
EFA202006	BFU100267	71%	36.5%	97.3%
EFA202006	BFU100847	76%	100%	100%
EFA202006	BMA107343	77%	95.9%	100%
EFA202006	BMA106305	77%	100%	100%
EFA202006	CJU100435	75%	100%	100%
EFA202006	CPN200689	69%	99.5%	99.5%
EFA202006	CTR200588	68%	99.7%	98.5%
EFA202006	CAC103049	76%	100%	100%
EFA202006	CBO100671	69%	10.9%	95.6%
EFA202006	CBO101209	78%	59.0%	100%
EFA202006	CBO101304	75%	99.5%	99.5%
EFA202006	CDF100547	75%	100%	96.1%
EFA202006	CDP100912	71%	100%	100%
EFA202006	EBC101615	74%	33.7%	99.3%
EFA202006	EBC100362	81%	47.6%	100%
EFA202006	EBC102891	76%	99.7%	99.7%
EFA202006	EFA202006	100%	100%	100%
EFA202006	EFM100161	81%	71.4%	100%
EFA202006	ECO103262	77%	99.7%	99.7%
EFA202006	ECO103878	77%	99.7%	99.7%
EFA202006	HIN100558	78%	100%	100%
EFA202006	HIN100613	78%	100%	100%
EFA202006	HPY101188	77%	100%	100%
EFA202006	KPN300520	80%	23.5%	100%
EFA202006	KPN300653	77%	80%	99.7%
EFA202006	KPN300869	77%	99.7%	99.7%
EFA202006	LMO102516	84%	100%	100%
EFA202006	MCA100162	76%	99.5%	99.5%
EFA202006	MAV102941	72%	100%	100%
EFA202006	MBV103318	72%	100%	100%
EFA202006	MLP101139	72%	100%	100%
EFA202006	MTU200682	72%	100%	100%
EFA202006	MGE100460	69%	100%	100%
EFA202006	MPN100177	70%	100%	100%
EFA202006	NGO101673	79%	99.7%	99.7%
EFA202006	NGO101620	79%	99.7%	99.7%
EFA202006	NME200128	80%	99.7%	99.7%
EFA202006	NME200143	80%	99.7%	99.7%
EFA202006	PMU101746	76%	100%	100%
EFA202006	PMU101357	77%	100%	100%
EFA202006	PRT100737	79%	24.6%	100%
EFA202006	PRT100321	78%	99.7%	99.7%
EFA202006	PAE204275	75%	100%	100%
EFA202006	PAE204263	75%	100%	100%
EFA202006	PPU104463	72%	77.0%	100%
EFA202006	PPU104501	72%	100%	100%
EFA202006	PSY107231	73%	99.7%	99.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202006	SPA104331	74%	39.5%	99.4%
EFA202006	SPA102798	77%	99.7%	99.7%
EFA202006	STY102689	77%	99.7%	99.7%
EFA202006	STY101782	77%	99.7%	99.7%
EFA202006	STM102043	77%	99.7%	99.7%
EFA202006	SAU800548	89%	100%	100%
EFA202006	SEP200072	89%	99.5%	99.5%
EFA202006	SHA101389	89%	100%	100%
EFA202006	SMU101538	77%	99.5%	99.5%
EFA202006	SPN401342	78%	99.5%	99.5%
EFA202006	SPY200441	77%	99.5%	99.5%
EFA202006	TPA100185	65%	99.7%	79.6%
EFA202006	UUR100528	71%	98.7%	98.7%
EFA202006	VCH100316	76%	99.7%	99.7%
EFA202006	VCH100357	76%	99.7%	99.7%
EFA202006	YPS000510	76%	100%	100%
EFA202006	YPS001855	76%	99.7%	99.7%
EFA202007	ABA100059	60%	87.9%	100%
EFA202007	BAN103750	78%	10.1%	95.9%
EFA202007	BAN113143	70%	76.6%	98.5%
EFA202007	BAN108186	79%	99.7%	98.9%
EFA202007	BFR12249	57%	62.8%	98.4%
EFA202007	BPT100846	61%	99.6%	99.9%
EFA202007	BBU100539	46%	98.1%	98.4%
EFA202007	BCE105443	62%	99.0%	99.3%
EFA202007	BFU104282	63%	99.0%	99.3%
EFA202007	BMA107083	63%	98.7%	86.5%
EFA202007	CJU100458	60%	99.7%	100%
EFA202007	CPN200199	58%	99.0%	99.6%
EFA202007	CTR200711	59%	99.0%	99.6%
EFA202007	CAC102763	64%	99.0%	99.4%
EFA202007	CBO100608	64%	98.7%	97.4%
EFA202007	CDF100548	67%	98.8%	99.4%
EFA202007	CDP100910	58%	99.1%	96.4%
EFA202007	EBC102893	60%	99.6%	99.9%
EFA202007	EFA202007	100%	100%	100%
EFA202007	EFM100881	27%	96.1%	96.5%
EFA202007	ECO103263	60%	99.6%	99.9%
EFA202007	HIN100559	61%	99.1%	99.4%
EFA202007	HPY101178	62%	99.7%	100%
EFA202007	KPN303651	62%	99.0%	99.1%
EFA202007	LMO102926	78%	99.9%	99.4%
EFA202007	MCA100232	60%	99.3%	98.9%
EFA202007	MAV102942	59%	98.8%	98.6%
EFA202007	MBV103317	59%	98.8%	98.6%
EFA202007	MLP101140	59%	98.8%	98.6%
EFA202007	MTU200681	59%	98.8%	98.6%
EFA202007	MGE100091	60%	99.0%	99.4%
EFA202007	MPN100604	60%	99.0%	99.4%
EFA202007	NGO101623	58%	99.7%	100%
EFA202007	NME200129	58%	99.7%	100%
EFA202007	PMU101356	61%	99.1%	99.4%
EFA202007	PRT100253	62%	99.1%	93.8%
EFA202007	PAE202069	61%	99.6%	99.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202007	PPU109182	61%	99.7%	99.9%
EFA202007	PSY103391	59%	93.9%	100%
EFA202007	SPA102789	57%	99.6%	99.9%
EFA202007	STY101781	59%	99.6%	99.9%
EFA202007	SAU800547	75%	99.7%	99.9%
EFA202007	SEP200071	74%	99.7%	99.9%
EFA202007	SMU100688	86%	100%	100%
EFA202007	SPN400250	86%	99.7%	99.7%
EFA202007	SPY200202	87%	99.7%	99.9%
EFA202007	TPA100759	43%	97.8%	97.4%
EFA202007	UUR100529	62%	99.0%	99.1%
EFA202007	VCH100356	63%	99.6%	100%
EFA202007	YPS001853	60%	99.6%	99.9%
EFA202012	ABA100128	46%	99.0%	100%
EFA202012	BAN103804	67%	99.0%	100%
EFA202012	BFR10425	46%	99.0%	100%
EFA202012	BPT100895	42%	99.0%	100%
EFA202012	BBU100614	37%	99.5%	99.0%
EFA202012	BCE103241	45%	99.0%	100%
EFA202012	BFU101595	45%	99.0%	100%
EFA202012	BMA100015	44%	99.0%	100%
EFA202012	CJU101500	51%	99.0%	100%
EFA202012	CPN200012	39%	93.6%	91.9%
EFA202012	CTR200903	40%	93.6%	91.9%
EFA202012	CAC102218	42%	99.0%	100%
EFA202012	CBO101434	46%	99.0%	100%
EFA202012	CDF103315	46%	86.7%	91.6%
EFA202012	CDP100020	48%	99.0%	100%
EFA202012	EBC103653	45%	99.0%	100%
EFA202012	EFA202012	100%	100%	100%
EFA202012	ECO103219	45%	99.0%	100%
EFA202012	HIN100782	47%	99.0%	100%
EFA202012	HPY101276	47%	99.0%	100%
EFA202012	KPN300702	45%	99.0%	100%
EFA202012	LMO100680	72%	99.0%	100%
EFA202012	MCA100425	45%	99.0%	100%
EFA202012	MAV101010	47%	99.0%	100%
EFA202012	MBV100325	45%	99.0%	100%
EFA202012	MLP101195	45%	99.0%	100%
EFA202012	MTU203411	45%	99.0%	100%
EFA202012	MGE100317	41%	98.0%	98.0%
EFA202012	MPN100395	44%	98.0%	98.0%
EFA202012	NGO100887	45%	99.0%	100%
EFA202012	NME200098	45%	99.0%	100%
EFA202012	PMU101391	47%	99.0%	100%
EFA202012	PRT104446	46%	99.0%	100%
EFA202012	PAE204237	47%	99.0%	100%
EFA202012	PPU108168	46%	99.0%	100%
EFA202012	PSY107923	44%	99.0%	100%
EFA202012	SPA104316	44%	99.0%	100%
EFA202012	STY101827	44%	99.0%	100%
EFA202012	SAU801719	66%	99.0%	100%
EFA202012	SEP201745	66%	99.0%	100%
EFA202012	SHA100142	64%	99.0%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202012	SMU101344	77%	100%	100%
EFA202012	SPN400078	76%	100%	100%
EFA202012	SPY201664	78%	100%	100%
EFA202012	TPA100303	40%	94.6%	96.1%
EFA202012	UUR100503	50%	99.0%	99.0%
EFA202012	VCH102535	46%	99.0%	100%
EFA202012	YPS002492	44%	99.0%	100%
EFA202013	ABA100054	52%	100%	100%
EFA202013	BAN101047	69%	100%	100%
EFA202013	BAN102922	82%	100%	100%
EFA202013	BFR102620	43%	98.7%	89.2%
EFA202013	BPT100845	53%	100%	90.2%
EFA202013	BBU100385	47%	100%	100%
EFA202013	BCE114655	51%	100%	100%
EFA202013	BFU100845	50%	100%	100%
EFA202013	BMA108128	51%	100%	100%
EFA202013	CJU100457	54%	98.7%	98.1%
EFA202013	CPN200198	47%	100%	100%
EFA202013	CTR200712	47%	100%	100%
EFA202013	CAC101300	68%	100%	100%
EFA202013	CBO100058	69%	100%	90.7%
EFA202013	CDF100549	72%	100%	100%
EFA202013	CDP100907	59%	98.7%	99.4%
EFA202013	EBC102895	53%	100%	100%
EFA202013	EFA202013	100%	100%	100%
EFA202013	ECO103264	53%	100%	87.2%
EFA202013	HIN100560	57%	100%	100%
EFA202013	HPY101179	54%	98.7%	98.1%
EFA202013	KPN300871	55%	92.9%	86.8%
EFA202013	LMO101111	83%	100%	100%
EFA202013	MCA100231	50%	100%	100%
EFA202013	MAV102943	60%	100%	100%
EFA202013	MBV103316	60%	100%	100%
EFA202013	MLP101141	58%	100%	100%
EFA202013	MTU200680	60%	100%	100%
EFA202013	MGE100090	61%	98.7%	99.4%
EFA202013	MPN100605	57%	98.7%	99.4%
EFA202013	NGO101627	51%	100%	100%
EFA202013	NME200130	51%	100%	100%
EFA202013	PMU101355	57%	100%	100%
EFA202013	PRT100252	55%	100%	100%
EFA202013	PAE204265	54%	100%	100%
EFA202013	PPU112217	53%	100%	100%
EFA202013	PSY106485	65%	26.3%	100%
EFA202013	SPA102393	49%	66.0%	91.2%
EFA202013	STY101780	53%	100%	100%
EFA202013	SAU800546	78%	100%	100%
EFA202013	SEP200070	78%	100%	100%
EFA202013	SHA102003	79%	25%	97.5%
EFA202013	SMU100686	78%	100%	100%
EFA202013	SPN400249	80%	100%	100%
EFA202013	SPY200201	80%	100%	100%
EFA202013	TPA100241	50%	100%	100%
EFA202013	UUR100530	64%	98.7%	99.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202013	VCH100355	56%	100%	100%
EFA202013	YPS001851	54%	100%	100%
EFA202015	ABA100053	64%	99.3%	100%
EFA202015	BAN100648	83%	100%	97.9%
EFA202015	BFR10866	78%	54.7%	88.2%
EFA202015	BPT100844	69%	99.3%	98.4%
EFA202015	BBU100386	75%	100%	100%
EFA202015	BCE108786	69%	100%	98.4%
EFA202015	BFU100844	69%	100%	98.4%
EFA202015	BMA100034	68%	100%	98.4%
EFA202015	CJU100456	70%	100%	96.9%
EFA202015	CPN200197	67%	99.3%	100%
EFA202015	CTR200713	68%	99.3%	100%
EFA202015	CAC103453	71%	99.3%	98.4%
EFA202015	CBO102727	71%	99.3%	98.4%
EFA202015	CDF102422	76%	99.3%	95.1%
EFA202015	CDP100904	66%	99.3%	90.4%
EFA202015	EBC102897	70%	100%	100%
EFA202015	EFA202015	100%	100%	100%
EFA202015	ECO103265	70%	100%	100%
EFA202015	HIN100561	71%	100%	100%
EFA202015	HPY101180	69%	100%	91.9%
EFA202015	KPN200561	70%	100%	100%
EFA202015	LMO101449	88%	99.3%	99.3%
EFA202015	MCA100230	66%	100%	100%
EFA202015	MAV102944	64%	100%	100%
EFA202015	MBV103315	64%	99.3%	99.2%
EFA202015	MLP101142	63%	100%	100%
EFA202015	MTU200679	64%	99.3%	99.2%
EFA202015	MGE100089	73%	99.3%	97.8%
EFA202015	MPN100606	74%	100%	98.6%
EFA202015	NGO101631	67%	99.3%	100%
EFA202015	NME200131	68%	99.3%	100%
EFA202015	PMU101354	70%	100%	100%
EFA202015	PRT103411	61%	83.2%	93.6%
EFA202015	PAE204266	71%	99.3%	100%
EFA202015	PPU112031	70%	99.3%	100%
EFA202015	PSY103389	69%	99.3%	100%
EFA202015	SPA102395	70%	100%	100%
EFA202015	STY101779	70%	100%	100%
EFA202015	SAU800545	85%	99.3%	99.3%
EFA202015	SEP201889	86%	99.3%	99.3%
EFA202015	SHA101640	85%	99.3%	99.3%
EFA202015	SMU100684	89%	100%	100%
EFA202015	SPN400248	94%	100%	100%
EFA202015	SPY200200	89%	99.3%	99.3%
EFA202015	TPA100240	69%	100%	100%
EFA202015	UUR100531	72%	99.3%	96.5%
EFA202015	VCH100354	71%	100%	100%
EFA202015	YPS001825	70%	100%	100%
EFA202022	ABA104153	53%	100%	100%
EFA202022	BAN112139	75%	100%	100%
EFA202022	BAN112261	75%	100%	100%
EFA202022	BFR101219	56%	33.7%	93.8%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202022	BPT102559	49%	100%	100%
EFA202022	BBU100803	49%	97.8%	98.9%
EFA202022	BCE114521	50%	100%	100%
EFA202022	BFU106341	51%	98.9%	97.8%
EFA202022	BMA104593	50%	100%	100%
EFA202022	CJU100816	46%	98.9%	97.8%
EFA202022	CPN200838	49%	100%	100%
EFA202022	CTR200226	49%	100%	100%
EFA202022	CAC101338	58%	97.8%	100%
EFA202022	CBO102464	58%	100%	85.6%
EFA202022	CDF100875	69%	92.1%	96.5%
EFA202022	CDP100449	57%	100%	100%
EFA202022	EBC103888	52%	100%	100%
EFA202022	EFA202022	100%	100%	100%
EFA202022	EFM202414	91%	100%	100%
EFA202022	ECO103097	52%	100%	100%
EFA202022	HIN101437	52%	100%	100%
EFA202022	HIN101294	52%	100%	100%
EFA202022	HPY101023	50%	98.9%	97.8%
EFA202022	KPN301430	53%	100%	100%
EFA202022	LPN100705	46%	69.7%	95.4%
EFA202022	LMO101938	79%	100%	100%
EFA202022	MCA100389	50%	100%	100%
EFA202022	MAV100300	53%	100%	100%
EFA202022	MBV101245	56%	100%	100%
EFA202022	MLP100514	57%	100%	100%
EFA202022	MTU202747	56%	100%	100%
EFA202022	MGE100434	45%	91.0%	94.2%
EFA202022	MPN100220	45%	91.0%	94.2%
EFA202022	NGO100722	56%	100%	100%
EFA202022	NME200754	56%	100%	100%
EFA202022	PMU100301	52%	100%	100%
EFA202022	PRT102435	57%	100%	100%
EFA202022	PAE204737	55%	100%	100%
EFA202022	PPU105055	55%	100%	100%
EFA202022	PSY104828	52%	70.8%	100%
EFA202022	SPA101259	49%	100%	100%
EFA202022	STY101470	51%	100%	100%
EFA202022	SAU801273	77%	100%	100%
EFA202022	SEP201566	73%	100%	100%
EFA202022	SHA100171	75%	100%	100%
EFA202022	SMU101327	77%	100%	100%
EFA202022	SPN401466	77%	100%	100%
EFA202022	SPY201503	78%	100%	100%
EFA202022	TPA100877	47%	100%	100%
EFA202022	UUR100204	43%	98.9%	98.9%
EFA202022	VCH100634	57%	100%	100%
EFA202022	YPS006344	52%	100%	100%
EFA202028	ABA106110	49%	97.2%	97.6%
EFA202028	BAN109088	44%	99.7%	99.6%
EFA202028	BAN100469	68%	99.7%	98.0%
EFA202028	BFR11379	45%	98.2%	90.1%
EFA202028	BPT102560	50%	98.4%	96.5%
EFA202028	BBU100804	42%	97.7%	98.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202028	BCE107587	49%	99.3%	98.2%
EFA202028	BFU106344	49%	99.3%	98.0%
EFA202028	BMA106616	50%	97.7%	90.3%
EFA202028	CJU101178	40%	95.6%	97.5%
EFA202028	CPN200839	45%	97.3%	98.1%
EFA202028	CTR200225	44%	97.2%	98.0%
EFA202028	CAC102635	51%	99.0%	99.3%
EFA202028	CBO102281	52%	99.0%	99.0%
EFA202028	CDF100877	55%	100%	100%
EFA202028	CDP100447	43%	96.9%	95.4%
EFA202028	EBC103885	50%	97.9%	96.2%
EFA202028	EFA202028	100%	100%	100%
EFA202028	EFM200260	89%	100%	95.7%
EFA202028	ECO103096	50%	97.9%	93.3%
EFA202028	HIN100220	50%	98.4%	97.2%
EFA202028	HPY101196	37%	95.0%	96.9%
EFA202028	KPN301429	50%	97.9%	96.3%
EFA202028	LPN101324	48%	98.4%	94.5%
EFA202028	LMO100657	71%	99.7%	96.8%
EFA202028	MCA100390	49%	97.4%	98.4%
EFA202028	MAV100299	43%	99.3%	97.1%
EFA202028	MBV101241	44%	97.9%	96.5%
EFA202028	MLP100515	43%	97.9%	94.3%
EFA202028	MTU202745	44%	97.9%	96.5%
EFA202028	NGO102045	48%	100%	99.3%
EFA202028	NME200892	48%	100%	99.4%
EFA202028	PMU101114	50%	97.2%	95.7%
EFA202028	PRT102434	49%	98.6%	97.3%
EFA202028	PAE204736	50%	97.2%	97.3%
EFA202028	PPU105054	49%	97.9%	98.1%
EFA202028	PSY104827	48%	23.2%	81.6%
EFA202028	SPA101063	46%	2.0%	78.3%
EFA202028	STY100979	50%	97.2%	95.6%
EFA202028	SAU801274	62%	98.6%	99.3%
EFA202028	SEP201567	63%	99.3%	99.6%
EFA202028	SHA100393	41%	26.3%	99.5%
EFA202028	SHA101099	64%	98.2%	99.7%
EFA202028	SMU101329	67%	98.6%	95.1%
EFA202028	SPN400516	69%	98.6%	89.5%
EFA202028	SPY201498	67%	98.6%	97.7%
EFA202028	TPA100876	45%	97.0%	96.7%
EFA202028	VCH100635	50%	98.6%	97.5%
EFA202028	YPS001047	49%	97.6%	96.9%
EFA202110	BAN111119	49%	11.2%	82.8%
EFA202110	BAN105234	55%	85.4%	99.0%
EFA202110	BAN113086	66%	99.2%	99.8%
EFA202110	BFR101518	50%	98.7%	96.1%
EFA202110	BBU100560	47%	97.9%	99.1%
EFA202110	BCE101525	69%	99.2%	99.8%
EFA202110	BFU110445	68%	99.2%	99.8%
EFA202110	BMA101484	68%	99.2%	99.6%
EFA202110	CPN200393	49%	97.9%	96.9%
EFA202110	CTR200328	48%	99.2%	98.1%
EFA202110	CDP101096	52%	98.3%	96.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202110	EBC100628	69%	59.6%	99.3%
EFA202110	EFA202110	100%	100%	100%
EFA202110	EFM100219	91%	42.3%	100%
EFA202110	ECO101988	72%	99.2%	99.6%
EFA202110	HIN100532	55%	98.7%	96.5%
EFA202110	KPN300636	71%	97.9%	100%
EFA202110	LMO100124	71%	99.2%	98.9%
EFA202110	MAV102693	52%	96.8%	93.3%
EFA202110	MBV102034	52%	92.8%	99.5%
EFA202110	MLP101249	52%	98.3%	95.9%
EFA202110	MTU201811	52%	98.9%	96.5%
EFA202110	NGO102016	54%	98.7%	96.9%
EFA202110	NME200246	54%	98.7%	96.9%
EFA202110	PMU101554	55%	98.7%	96.5%
EFA202110	PRT100074	75%	55.4%	100%
EFA202110	SPA105071	71%	99.2%	99.6%
EFA202110	STY103509	71%	99.2%	99.6%
EFA202110	SAU801511	67%	99.2%	99.6%
EFA202110	SEP200507	68%	99.2%	99.6%
EFA202110	SHA102447	62%	98.5%	98.9%
EFA202110	SHA100561	67%	99.2%	98.3%
EFA202110	SPN400335	80%	100%	100%
EFA202110	SPY102341	74%	16.3%	100%
EFA202110	TPA100327	51%	97.9%	96.1%
EFA202110	VCH103617	54%	98.7%	96.9%
EFA202110	YPS002961	71%	99.2%	99.6%
EFA202115	ABA101411	33%	95.5%	91.6%
EFA202115	BAN112326	40%	100%	99.9%
EFA202115	BFR102018	26%	99.7%	97.2%
EFA202115	BPT101552	32%	92.4%	91.7%
EFA202115	BBU100578	34%	97.3%	95.7%
EFA202115	BCE115231	33%	91.1%	88.8%
EFA202115	BFU107633	32%	92.1%	88.5%
EFA202115	BMA101634	32%	92.1%	89.9%
EFA202115	CJU100668	34%	89.6%	88.2%
EFA202115	CPN200079	31%	90.4%	87.7%
EFA202115	CTR200821	31%	91.0%	88.5%
EFA202115	CAC103161	33%	99.5%	98.9%
EFA202115	CBO100607	30%	99.5%	99.2%
EFA202115	CBO101196	33%	99.3%	98.5%
EFA202115	CDF101163	35%	96.4%	96.0%
EFA202115	CDP101233	29%	97.4%	97.2%
EFA202115	EBC102553	32%	96.7%	96.2%
EFA202115	EFA202115	100%	100%	100%
EFA202115	EFM200294	59%	100%	100%
EFA202115	ECO100184	32%	96.7%	96.2%
EFA202115	HIN100720	32%	99.5%	99.1%
EFA202115	HPY101439	30%	97.7%	97.9%
EFA202115	KPN301922	32%	96.7%	96.2%
EFA202115	LPN102982	34%	99.8%	99.6%
EFA202115	LMO100629	43%	100%	100%
EFA202115	MCA102321	33%	90.1%	87.2%
EFA202115	MAV103371	31%	95.9%	95.8%
EFA202115	MBV102577	30%	95.9%	96.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202115	MLP100747	30%	95.9%	95.8%
EFA202115	MTU201526	30%	95.9%	95.4%
EFA202115	MGE100266	32%	73.6%	89.8%
EFA202115	MPN100459	33%	72.9%	89.1%
EFA202115	NGO101860	32%	91.8%	91.6%
EFA202115	NME200585	33%	91.8%	91.6%
EFA202115	PMU100034	32%	99.5%	99.1%
EFA202115	PRT101242	33%	94.7%	95.6%
EFA202115	PAE203638	34%	97.9%	97.6%
EFA202115	PPU100137	32%	99.8%	99.5%
EFA202115	PSY104339	32%	99.9%	99.6%
EFA202115	SPA100912	31%	99.3%	99.6%
EFA202115	STY103914	32%	96.7%	96.2%
EFA202115	STM103627	32%	96.7%	96.2%
EFA202115	SAU801703	37%	96.8%	97.0%
EFA202115	SEP201707	39%	93.6%	94.1%
EFA202115	SHA100359	38%	96.7%	94.3%
EFA202115	SMU101018	35%	98.9%	99.1%
EFA202115	SPN400795	35%	98.6%	97.9%
EFA202115	SPY200987	35%	97.5%	97.7%
EFA202115	TPA100661	33%	95.9%	95.5%
EFA202115	UUR100419	33%	90.1%	97.8%
EFA202115	VCH102211	33%	99.5%	98.7%
EFA202115	YPS001155	33%	96.7%	95.3%
EFA202136	EBC104273	60%	99.6%	100%
EFA202136	EFA202136	100%	100%	100%
EFA202136	EFM202058	70%	99.8%	99.1%
EFA202136	KPN303718	48%	99.8%	98.7%
EFA202136	LMO100287	63%	100%	99.6%
EFA202136	SPA103555	58%	100%	99.8%
EFA202136	STY104414	57%	100%	99.8%
EFA202136	STM100091	58%	100%	99.8%
EFA202136	SPN400244	53%	99.4%	99.6%
EFA202136	SPY201020	55%	99.8%	98.3%
EFA202160	ABA103852	41%	97.8%	98.3%
EFA202160	BAN106248	53%	95.1%	98.9%
EFA202160	BAN106209	62%	86.7%	99.8%
EFA202160	BFR10500	27%	92.8%	87.9%
EFA202160	BPT100432	40%	98.2%	98.5%
EFA202160	BBU100832	30%	83.7%	75.7%
EFA202160	BCE111670	42%	94.2%	95.8%
EFA202160	BFU101230	40%	97.0%	96.4%
EFA202160	BMA102496	34%	98.1%	94.7%
EFA202160	BMA109115	41%	98.6%	98.0%
EFA202160	CJU100989	38%	96.8%	99.8%
EFA202160	CPN200653	28%	92.8%	82.4%
EFA202160	CTR200283	29%	91.1%	82.0%
EFA202160	CAC102765	33%	83.6%	75.3%
EFA202160	CBO100873	35%	54.1%	95.1%
EFA202160	CDF104554	33%	83.6%	74.9%
EFA202160	CDP101247	27%	94.6%	84.7%
EFA202160	EBC102151	42%	97.7%	99.8%
EFA202160	EFA202160	100%	100%	100%
EFA202160	EFM201425	84%	100%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202160	ECO100026	44%	97.8%	98.1%
EFA202160	HPY101401	37%	98.5%	99.5%
EFA202160	KPN300290	59%	4.8%	100%
EFA202160	KPN306610	43%	96.5%	98.5%
EFA202160	LPN101832	43%	97.8%	98.1%
EFA202160	LMO101679	64%	99.0%	99.8%
EFA202160	MCA103671	39%	0.8%	16.4%
EFA202160	MAV103388	28%	91.3%	80.7%
EFA202160	MBV102555	28%	89.3%	81.0%
EFA202160	MLP100743	27%	93.2%	85.4%
EFA202160	MTU201515	28%	89.3%	81.0%
EFA202160	MGE100354	36%	98.2%	99.6%
EFA202160	MPN100322	38%	89.7%	96.1%
EFA202160	NGO101799	42%	98.2%	98.7%
EFA202160	NME200578	42%	98.2%	98.4%
EFA202160	PMU101662	41%	97.8%	98.0%
EFA202160	PRT101657	43%	98.9%	99.1%
EFA202160	PAE204558	42%	98.4%	98.6%
EFA202160	PPU109898	43%	97.8%	98.1%
EFA202160	PSY102684	40%	96.5%	98.5%
EFA202160	SPA100667	43%	80.7%	96.6%
EFA202160	STY101103	43%	98.6%	98.8%
EFA202160	STM100818	43%	98.6%	98.8%
EFA202160	SAU801193	61%	98.7%	99.7%
EFA202160	SEP200928	60%	98.7%	99.3%
EFA202160	SHA101034	60%	98.4%	99.9%
EFA202160	SMU100109	65%	100%	99.8%
EFA202160	SPN401501	64%	100%	99.8%
EFA202160	SPY201164	64%	100%	99.6%
EFA202160	TPA100448	26%	81.3%	74.2%
EFA202160	UUR100414	41%	89.7%	92%
EFA202160	VCH100669	42%	98.4%	98.6%
EFA202160	YPS000810	43%	97.8%	98.1%
EFA202166	ABA100699	32%	95.6%	92.2%
EFA202166	BAN102298	55%	87.1%	97%
EFA202166	BAN105813	52%	97.8%	97.3%
EFA202166	BFR10478	35%	87.1%	90.1%
EFA202166	BPT100358	32%	96.9%	81.5%
EFA202166	BCE102004	29%	98.2%	95.7%
EFA202166	BFU102631	28%	98.2%	95.7%
EFA202166	CJU100669	29%	88.4%	93.8%
EFA202166	CAC102293	34%	91.1%	92.8%
EFA202166	CBO100252	38%	87.6%	89.2%
EFA202166	CDF104041	40%	98.2%	94.1%
EFA202166	CDP100613	38%	95.1%	94.9%
EFA202166	EBC103402	26%	98.2%	95.7%
EFA202166	EFA202166	100%	100%	100%
EFA202166	EFM200029	62%	99.6%	99.6%
EFA202166	ECO102886	27%	98.2%	95.3%
EFA202166	HIN100089	31%	98.2%	94.5%
EFA202166	HPY100391	30%	88%	87.8%
EFA202166	KPN302105	28%	98.2%	95.7%
EFA202166	LPN100888	29%	98.2%	95.7%
EFA202166	LMO101181	54%	97.8%	95.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202166	MCA100523	27%	86.2%	80.1%
EFA202166	MAV103261	26%	96%	88.5%
EFA202166	MBV100535	24%	96%	87.5%
EFA202166	MLP100574	26%	96%	88.5%
EFA202166	MTU202114	24%	96%	89.5%
EFA202166	NGO101964	29%	98.7%	97.4%
EFA202166	NME200206	29%	98.7%	97.4%
EFA202166	PMU100112	29%	98.2%	96.1%
EFA202166	PRT105809	27%	98.2%	95.3%
EFA202166	PAE200393	30%	98.2%	94.3%
EFA202166	PPU102082	30%	98.2%	95.2%
EFA202166	PSY103724	27%	98.2%	95.2%
EFA202166	SPA102546	23%	95.1%	96.8%
EFA202166	STY104582	27%	98.2%	95.3%
EFA202166	STM100599	27%	98.2%	95.3%
EFA202166	SAU801188	49%	97.8%	96.9%
EFA202166	SEP200921	51%	97.8%	97.7%
EFA202166	SHA100042	45%	43.1%	97.9%
EFA202166	SMU100094	50%	97.3%	97.8%
EFA202166	SPN401508	51%	98.7%	99.1%
EFA202166	SPY201169	50%	96.9%	97.3%
EFA202166	VCH100456	28%	98.2%	94.9%
EFA202166	YPS000235	25%	98.2%	95.3%
EFA202168	ABA100622	46%	92.2%	96.4%
EFA202168	BAN103024	59%	97.1%	96.6%
EFA202168	BAN112439	60%	97.1%	96.6%
EFA202168	BFR12421	41%	86.3%	83.3%
EFA202168	BPT102981	42%	94.1%	97.2%
EFA202168	BBU100298	49%	97.8%	93.1%
EFA202168	BCE103310	50%	69.8%	98.6%
EFA202168	BFU100408	44%	94.6%	97.2%
EFA202168	BMA104500	44%	94.6%	97.2%
EFA202168	CJU100646	45%	78.8%	87.0%
EFA202168	CAC100838	60%	85.6%	91.2%
EFA202168	CBO103263	52%	98.8%	98.6%
EFA202168	CDF102447	52%	100%	98.0%
EFA202168	CDP101254	51%	96.3%	98.1%
EFA202168	EBC101797	60%	37.3%	93.9%
EFA202168	EFA202168	100%	100%	100%
EFA202168	EFM200220	80%	100%	100%
EFA202168	ECO100095	51%	84.1%	90.1%
EFA202168	HIN101117	46%	82.7%	84.6%
EFA202168	HPY100963	43%	75.1%	80.8%
EFA202168	KPN300530	60%	37.6%	96.2%
EFA202168	LPN100473	71%	6.8%	71.8%
EFA202168	LMO101235	57%	98.5%	98.0%
EFA202168	MCA101528	48%	76.1%	87.4%
EFA202168	MAV103265	60%	76.3%	80.9%
EFA202168	MBV100533	61%	76.3%	82.6%
EFA202168	MLP100572	59%	76.3%	82.6%
EFA202168	MTU202116	61%	76.3%	82.6%
EFA202168	MGE100229	27%	54.4%	59.3%
EFA202168	MPN100519	29%	52.7%	55.8%
EFA202168	NGO100577	50%	83.9%	89.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202168	NME201901	50%	83.9%	89.3%
EFA202168	PMU100147	47%	82.4%	82.7%
EFA202168	PRT102627	57%	42.9%	94.1%
EFA202168	PAE204405	53%	86.3%	93.1%
EFA202168	PPU105993	45%	99.3%	99.2%
EFA202168	PSY103835	47%	99.3%	99.2%
EFA202168	SPA100031	42%	56.1%	88.5%
EFA202168	STY103211	51%	84.1%	90.1%
EFA202168	STM102893	51%	84.1%	90.1%
EFA202168	SAU801186	69%	76.3%	80.3%
EFA202168	SEP200917	67%	79.8%	81.7%
EFA202168	SHA100846	67%	79.8%	81.9%
EFA202168	SMU100085	60%	99.8%	100%
EFA202168	SPN401509	62%	99.8%	100%
EFA202168	SPY201170	60%	99.8%	100%
EFA202168	TPA100386	46%	96.6%	94.7%
EFA202168	VCH102362	57%	76.3%	78.9%
EFA202168	YPS001023	51%	80.5%	89.6%
EFA202170	ABA100623	28%	82.7%	89.0%
EFA202170	BAN111291	39%	98.9%	99.8%
EFA202170	BAN101900	39%	100%	100%
EFA202170	BFR102146	22%	98.4%	89.5%
EFA202170	BPT102984	36%	82.7%	90.4%
EFA202170	BBU100299	32%	83.0%	90.3%
EFA202170	BCE109663	36%	83.6%	91.2%
EFA202170	BFU100407	35%	82.5%	89.8%
EFA202170	BMA104126	37%	83.6%	91.2%
EFA202170	CJU100645	29%	76.4%	72.3%
EFA202170	CAC100288	26%	98.2%	98.8%
EFA202170	CBO102974	30%	98.2%	96.5%
EFA202170	EBC101798	33%	83.6%	90.9%
EFA202170	EFA202170	100%	100%	100%
EFA202170	EFM201888	78%	100%	100%
EFA202170	ECO100094	33%	83.6%	90.5%
EFA202170	HIN101116	31%	85%	91.1%
EFA202170	HPY100962	28%	83.0%	81.3%
EFA202170	KPN300531	28%	45.5%	86.9%
EFA202170	LPN103001	33%	83.0%	89.8%
EFA202170	LMO101001	41%	100%	100%
EFA202170	MCA100438	24%	78.0%	79.9%
EFA202170	MBV102872	34%	16.4%	56.6%
EFA202170	MTU200123	34%	16.4%	56.6%
EFA202170	NGO100578	35%	83.0%	89.6%
EFA202170	NME201902	35%	83.0%	89.6%
EFA202170	PMU100146	29%	85.5%	91.5%
EFA202170	PRT102629	33%	83.6%	90.9%
EFA202170	PAE204406	34%	83.6%	89.4%
EFA202170	PPU111774	35%	83.0%	89.8%
EFA202170	PSY103837	34%	83.6%	91.0%
EFA202170	SPA101844	32%	83.6%	90.4%
EFA202170	STY103209	33%	83.6%	90.5%
EFA202170	STM102892	33%	83.6%	90.5%
EFA202170	SAU801185	30%	84.3%	78.7%
EFA202170	SEP200915	29%	96.1%	86.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202170	SHA100845	28%	96.1%	84.3%
EFA202170	SMU100084	49%	100%	100%
EFA202170	SPN401510	50%	100%	99.8%
EFA202170	SPY201171	49%	100%	100%
EFA202170	TPA100385	33%	82.7%	91.3%
EFA202170	VCH102363	31%	85.5%	93.6%
EFA202170	YPS001022	33%	83.6%	90.9%
EFA202174	ABA100632	27%	99.2%	97.0%
EFA202174	BAN107483	51%	100%	99.7%
EFA202174	BAN105119	52%	100%	94.5%
EFA202174	BFR11299	36%	97.0%	92.9%
EFA202174	BPT103001	28%	98.1%	96.1%
EFA202174	BBU100766	28%	91.7%	89.0%
EFA202174	BCE108020	29%	66.7%	94%
EFA202174	BFU100818	28%	99.2%	94.4%
EFA202174	BMA103256	29%	98.1%	94.6%
EFA202174	CJU100967	26%	83.5%	82.5%
EFA202174	CPN200945	29%	92.8%	91.6%
EFA202174	CTR200137	28%	98.6%	97.2%
EFA202174	CAC102068	31%	94.5%	93.3%
EFA202174	CBO103711	29%	94.5%	96.3%
EFA202174	CDF103133	40%	98.9%	88.3%
EFA202174	CDP101267	33%	99.7%	96.9%
EFA202174	EBC102568	32%	79.1%	97.9%
EFA202174	EFA202174	100%	100%	100%
EFA202174	EFM201770	63%	100%	99.4%
EFA202174	ECO100090	30%	97.5%	95.5%
EFA202174	HIN101112	31%	98.9%	97.7%
EFA202174	HPY101138	26%	100%	99.4%
EFA202174	KPN301850	31%	98.9%	98.9%
EFA202174	LPN102672	32%	18.7%	86.8%
EFA202174	LMO101815	51%	100%	99.7%
EFA202174	MCA100895	30%	95.3%	92.1%
EFA202174	MAV103649	27%	98.3%	87.5%
EFA202174	MBV100527	26%	97.8%	87.3%
EFA202174	MLP100569	25%	99.7%	88.9%
EFA202174	MTU202119	26%	97.8%	87.3%
EFA202174	NGO100586	30%	96.4%	95.2%
EFA202174	NME201906	30%	96.4%	95.2%
EFA202174	PMU100142	30%	98.6%	96.3%
EFA202174	PRT102635	31%	98.6%	96.7%
EFA202174	PAE204410	32%	96.4%	95.2%
EFA202174	PPU111778	29%	98.1%	92%
EFA202174	PSY103845	31%	98.1%	96.9%
EFA202174	SPA101848	28%	97.5%	97.1%
EFA202174	STY103176	29%	97.5%	95.5%
EFA202174	STM102888	29%	97.5%	95.5%
EFA202174	SAU801418	28%	93.4%	94.9%
EFA202174	SEP200353	30%	97.5%	97.5%
EFA202174	SHA100509	33%	44.1%	86.0%
EFA202174	SMU100081	24%	94.2%	92.2%
EFA202174	SPN400604	26%	94.5%	94.6%
EFA202174	SPY201173	25%	96.1%	94.4%
EFA202174	TPA100518	27%	99.4%	95.3%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202174	VCH102366	28%	94.5%	92.1%
EFA202174	YPS001014	31%	97.5%	95.2%
EFA202176	ABA105049	31%	96.3%	97.8%
EFA202176	BAN101698	43%	96.9%	99.8%
EFA202176	BAN100427	51%	98.9%	99.8%
EFA202176	BFR11370	36%	96.9%	99.8%
EFA202176	BPT103005	30%	96.5%	95.9%
EFA202176	BBU100584	28%	97.1%	97.8%
EFA202176	BCE110975	31%	56.6%	97.7%
EFA202176	BFU100814	31%	98.7%	97.8%
EFA202176	BMA102821	33%	96.5%	98.2%
EFA202176	CJU100400	27%	85.1%	88.6%
EFA202176	CPN200948	29%	97.1%	98.8%
EFA202176	CTR200134	31%	96.3%	93.8%
EFA202176	CAC103488	33%	97.6%	97.4%
EFA202176	CBO101756	35%	96.9%	96.9%
EFA202176	CDF104583	37%	97.6%	99.3%
EFA202176	CDP101273	29%	96.5%	94.6%
EFA202176	EBC102570	31%	97.6%	99.1%
EFA202176	EFA202176	100%	100%	100%
EFA202176	EFM201395	71%	99.1%	100%
EFA202176	ECO100088	32%	97.6%	99.1%
EFA202176	HIN101110	34%	98.2%	99.8%
EFA202176	HPY100489	27%	82.2%	85.5%
EFA202176	KPN300322	37%	36.4%	83.7%
EFA202176	KPN301854	31%	97.6%	99.1%
EFA202176	LPN102050	32%	93.2%	100%
EFA202176	LMO100907	60%	99.3%	99.1%
EFA202176	MCA103645	31%	97.1%	98.7%
EFA202176	MAV103995	33%	43.4%	75.7%
EFA202176	MBV100523	28%	96.1%	95.7%
EFA202176	MLP100567	28%	96.1%	97.1%
EFA202176	MTU202121	29%	96.1%	97.1%
EFA202176	NGO100590	29%	97.8%	99.8%
EFA202176	NME201908	29%	97.8%	99.8%
EFA202176	PMU100140	33%	96.5%	97.9%
EFA202176	PRT102639	34%	98.2%	99.8%
EFA202176	PAE204412	32%	96.3%	97.5%
EFA202176	PPU105951	32%	95.4%	96.2%
EFA202176	PSY103849	32%	86.6%	99.7%
EFA202176	SPA102757	27%	76.8%	95.3%
EFA202176	STY103174	30%	97.6%	99.1%
EFA202176	STM102886	30%	97.6%	99.1%
EFA202176	SAU801183	50%	97.8%	98.0%
EFA202176	SEP200898	48%	97.6%	97.8%
EFA202176	SHA101312	51%	59.9%	100%
EFA202176	SMU100079	60%	99.1%	99.6%
EFA202176	SPN400603	60%	99.3%	100%
EFA202176	SPY201174	61%	99.1%	99.3%
EFA202176	TPA100893	27%	97.8%	98.5%
EFA202176	VCH102368	30%	96.3%	91.9%
EFA202176	YPS001010	32%	97.6%	99.1%
EFA202177	ABA100933	34%	94.7%	89.5%
EFA202177	BAN106826	40%	96.0%	96.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202177	BAN112016	48%	96.0%	95.4%
EFA202177	BFR103500	29%	84.1%	82.2%
EFA202177	BPT103007	34%	87.2%	83.8%
EFA202177	BBU100302	36%	95.6%	92.3%
EFA202177	BCE112929	41%	50.8%	86.0%
EFA202177	BFU100825	36%	90.3%	86.4%
EFA202177	BMA100546	35%	93.8%	89.2%
EFA202177	CJU100401	41%	95.3%	91.2%
EFA202177	CPN200949	38%	84.4%	80.8%
EFA202177	CTR200133	35%	98.1%	96.1%
EFA202177	CAC103184	37%	95.3%	95.9%
EFA202177	CBO103583	38%	93.5%	94.3%
EFA202177	CBO100702	40%	95.6%	96.5%
EFA202177	CDF103820	37%	99.1%	96.4%
EFA202177	CDP101276	37%	99.1%	97.3%
EFA202177	EBC102571	39%	94.7%	89.2%
EFA202177	EFA202177	100%	100%	100%
EFA202177	EFM200138	72%	100%	100%
EFA202177	ECO100087	40%	94.7%	89.2%
EFA202177	HIN101109	37%	94.7%	89.2%
EFA202177	HPY100488	34%	95.3%	90.7%
EFA202177	KPN301856	39%	94.7%	89.2%
EFA202177	LPN102792	43%	53.9%	79.1%
EFA202177	LMO102708	53%	96.3%	96.0%
EFA202177	MCA100821	36%	94.7%	91.0%
EFA202177	MAV103996	35%	98.8%	96.9%
EFA202177	MLP100566	35%	98.8%	96.9%
EFA202177	MTU202122	35%	98.8%	96.9%
EFA202177	NGO100597	36%	93.5%	89.7%
EFA202177	NME201910	37%	93.5%	89.7%
EFA202177	PMU100139	38%	94.7%	89.2%
EFA202177	PRT102641	39%	94.7%	89.2%
EFA202177	PAE204413	38%	94.7%	89.2%
EFA202177	PPU105952	38%	94.1%	88.6%
EFA202177	PSY103851	37%	94.1%	88.6%
EFA202177	SPA102756	39%	94.7%	91.2%
EFA202177	STY103173	40%	94.7%	89.2%
EFA202177	STM102884	39%	94.7%	89.2%
EFA202177	SAU801182	51%	97.8%	98.8%
EFA202177	SEP200897	50%	97.8%	98.8%
EFA202177	SHA101311	51%	97.8%	98.8%
EFA202177	SMU101454	52%	99.1%	99.1%
EFA202177	SPN400305	55%	96.9%	96.9%
EFA202177	SPY201280	51%	97.8%	97.9%
EFA202177	TPA100341	25%	84.7%	78.5%
EFA202177	VCH102369	40%	94.7%	89.2%
EFA202177	YPS000995	40%	94.7%	89.2%
EFA202180	ABA105255	27%	75.5%	87.7%
EFA202180	BAN113613	36%	8.8%	86.3%
EFA202180	BAN105591	26%	95.1%	95.7%
EFA202180	BAN105395	34%	41.8%	93.8%
EFA202180	BAN110033	32%	96.4%	96.4%
EFA202180	BAN112091	32%	94.1%	94.7%
EFA202180	BFR101372	23%	89.9%	93.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202180	BPT103014	24%	77.6%	90.1%
EFA202180	BBU100135	25%	82.9%	91.7%
EFA202180	BCE112144	27%	82.1%	90.4%
EFA202180	BFU100822	26%	77.8%	83.7%
EFA202180	BMA103887	25%	86.5%	96.6%
EFA202180	CJU100487	23%	81.9%	98.5%
EFA202180	CPN200330	23%	54.2%	66.6%
EFA202180	CTR200535	25%	50%	59.6%
EFA202180	CAC102451	28%	81.1%	97.4%
EFA202180	CAC102718	28%	96.0%	97.0%
EFA202180	CBO100210	28%	90.6%	91.9%
EFA202180	CDF104232	26%	83.6%	91.7%
EFA202180	CDP101283	27%	76.1%	94.6%
EFA202180	EBC102574	24%	70.6%	83.5%
EFA202180	EFA202180	100%	100%	100%
EFA202180	EFM201754	58%	99.6%	99.9%
EFA202180	ECO100084	24%	56.3%	66.0%
EFA202180	HIN101106	24%	76.0%	85.2%
EFA202180	HPY101533	22%	86.9%	98.5%
EFA202180	KPN309113	28%	56.5%	66.8%
EFA202180	LPN102605	27%	72.1%	90.1%
EFA202180	LMO101211	39%	97.6%	94.9%
EFA202180	MCA100818	25%	74.4%	84.7%
EFA202180	MAV104019	28%	73.6%	80.7%
EFA202180	MBV101482	33%	55.4%	63.3%
EFA202180	MLP100563	28%	74.3%	79.6%
EFA202180	MTU202129	33%	55.4%	60.1%
EFA202180	NGO102402	26%	76.8%	90.2%
EFA202180	NME201914	26%	76.8%	88.6%
EFA202180	PMU100136	25%	77.2%	87.9%
EFA202180	PRT102628	24%	80.2%	89.8%
EFA202180	PAE204416	26%	76.7%	89.5%
EFA202180	PPU111736	27%	70.4%	81.4%
EFA202180	PSY103856	27%	70.4%	82.3%
EFA202180	SPA102753	24%	65.1%	74.6%
EFA202180	STY101764	25%	83.6%	98.1%
EFA202180	STM102862	25%	56.3%	66.0%
EFA202180	SAU801181	33%	95.8%	93.4%
EFA202180	SEP200896	34%	97.2%	91.1%
EFA202180	SHA101310	33%	95.7%	98.2%
EFA202180	SMU101453	40%	99.1%	99.2%
EFA202180	SPN400304	38%	98.4%	98.7%
EFA202180	SPY201281	39%	99.5%	99.7%
EFA202180	TPA100752	24%	89.6%	88.2%
EFA202180	VCH102372	24%	78.7%	93.6%
EFA202180	YPS000992	26%	70.6%	80.7%
EFA202182	BAN113715	40%	37.0%	69.0%
EFA202182	BAN110605	30%	82.2%	91.7%
EFA202182	EFA202182	100%	100%	100%
EFA202182	EFM201482	39%	100%	100%
EFA202182	LMO102397	29%	68.9%	80%
EFA202182	SAU801180	24%	79.3%	80.5%
EFA202182	SEP200895	24%	77.8%	78.9%
EFA202182	SHA101309	28%	79.3%	80.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202182	SMU101439	29%	68.1%	86.0%
EFA202182	SPN400303	32%	65.2%	83.8%
EFA202182	SPY201282	29%	77.0%	97.2%
EFA202182	UUR100048	23%	64.4%	29.3%
EFA202200	ABA105166	20%	92.4%	92.9%
EFA202200	BAN107094	43%	90.8%	92.7%
EFA202200	BAN107312	46%	99.3%	98.9%
EFA202200	BFR10436	27%	91.7%	93.7%
EFA202200	BCE105570	36%	34.2%	81.8%
EFA202200	BFU106862	34%	90.4%	88.0%
EFA202200	BMA103262	33%	92.4%	81.0%
EFA202200	CJU100294	34%	82.4%	89.1%
EFA202200	CPN200772	36%	96.9%	97.3%
EFA202200	CTR200597	29%	98.4%	98.1%
EFA202200	CAC102940	45%	67.6%	76.2%
EFA202200	CBO103748	35%	98.9%	98.3%
EFA202200	CDF101807	35%	99.3%	99.8%
EFA202200	CDP100939	29%	92.0%	91.3%
EFA202200	EBC102031	39%	98.2%	96.3%
EFA202200	EFA202200	100%	100%	100%
EFA202200	EFM100680	71%	98.4%	99.1%
EFA202200	ECO102460	38%	94.2%	93.0%
EFA202200	HIN100377	38%	92.0%	94.3%
EFA202200	HPY100965	36%	16.5%	61.2%
EFA202200	HPY100255	34%	84.2%	91.7%
EFA202200	KPN304083	38%	98.2%	95.0%
EFA202200	LPN102596	34%	97.3%	98.0%
EFA202200	LMO100760	43%	99.1%	98.2%
EFA202200	MCA102830	23%	97.8%	87.8%
EFA202200	MAV100804	31%	73.7%	80.5%
EFA202200	MBV104380	31%	73.7%	80.5%
EFA202200	MLP101180	31%	77.2%	81.8%
EFA202200	MTU201093	31%	73.7%	80.5%
EFA202200	NGO101103	34%	98.9%	99.1%
EFA202200	NME201434	35%	98.9%	97.3%
EFA202200	PMU100168	39%	92.4%	93.5%
EFA202200	PRT103272	36%	98.2%	95.9%
EFA202200	PAE203774	38%	98.0%	95.0%
EFA202200	PPU101396	38%	92.0%	89.5%
EFA202200	PSY103770	38%	98.0%	94.2%
EFA202200	SPA100549	41%	77.5%	94.3%
EFA202200	STY101689	37%	98.4%	98.2%
EFA202200	STM101426	37%	98.4%	98.2%
EFA202200	SAU801523	42%	98.7%	99.3%
EFA202200	SEP200892	42%	98.9%	99.6%
EFA202200	SHA100991	43%	97.3%	98.0%
EFA202200	SMU100701	48%	98.9%	98.9%
EFA202200	SPN401088	50%	98.9%	99.1%
EFA202200	SPY201154	48%	97.5%	98.2%
EFA202200	VCH100753	38%	92.9%	93.7%
EFA202200	YPS003204	38%	98.2%	95.9%
EFA202211	ABA101469	45%	13.9%	75%
EFA202211	ABA100694	41%	94.5%	96.0%
EFA202211	BAN108710	33%	93.3%	97.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202211	BAN104310	52%	95.2%	89.0%
EFA202211	BFR11762	24%	93.1%	95.6%
EFA202211	BPT100013	40%	94.9%	94.7%
EFA202211	BBU100134	23%	94.0%	94.7%
EFA202211	BCE114784	44%	91.5%	88.6%
EFA202211	BFU113972	43%	91.5%	88.6%
EFA202211	BMA106479	44%	91.5%	88.6%
EFA202211	CJU100704	37%	94.0%	97.3%
EFA202211	CPN200082	39%	94.0%	95.1%
EFA202211	CTR200819	37%	100%	99.1%
EFA202211	CAC100205	26%	94.2%	97.4%
EFA202211	CBO102641	45%	92.8%	94.9%
EFA202211	CDF100504	46%	95.8%	98.1%
EFA202211	CDP100409	42%	93.5%	94.3%
EFA202211	EBC102800	42%	93.3%	94.8%
EFA202211	EFA202211	100%	100%	100%
EFA202211	EFM201250	81%	98.4%	99.1%
EFA202211	ECO102465	42%	93.8%	95.3%
EFA202211	HIN100348	44%	92.1%	93.6%
EFA202211	HPY101173	25%	91.2%	92.5%
EFA202211	KPN309062	44%	93.3%	94.8%
EFA202211	LPN101194	41%	95.6%	96.9%
EFA202211	LMO101789	52%	98.2%	99.8%
EFA202211	MCA101520	41%	93.8%	96.9%
EFA202211	MAV103034	42%	95.4%	96.9%
EFA202211	MBV101555	41%	99.1%	98.3%
EFA202211	MLP100305	40%	95.6%	95.6%
EFA202211	MTU202543	41%	99.1%	98.3%
EFA202211	MGE100035	40%	73.7%	75.1%
EFA202211	MPN100109	34%	94.0%	96.4%
EFA202211	NGO101009	45%	92.1%	93.3%
EFA202211	NME200980	45%	92.1%	93.3%
EFA202211	PMU102011	43%	95.6%	97.4%
EFA202211	PRT104870	43%	93.3%	94.8%
EFA202211	PAE203799	43%	94.0%	94.9%
EFA202211	PPU103989	44%	94.0%	94.9%
EFA202211	PSY103800	44%	94.0%	94.9%
EFA202211	SPA101921	45%	68.4%	97.7%
EFA202211	STY101721	42%	93.8%	95.3%
EFA202211	SAU801631	49%	95.6%	98.6%
EFA202211	SEP201577	48%	95.6%	97.6%
EFA202211	SHA100662	48%	96.1%	98.3%
EFA202211	SMU101274	60%	98.4%	98.8%
EFA202211	SPN401928	64%	98.4%	98.8%
EFA202211	SPY201649	61%	98.8%	100%
EFA202211	TPA100633	26%	71.1%	72.4%
EFA202211	UUR100287	37%	95.8%	98.8%
EFA202211	VCH100747	44%	93.3%	95.0%
EFA202211	YPS003230	43%	93.5%	95.0%
EFA202213	ABA101157	51%	98.3%	98.0%
EFA202213	BAN109213	44%	98.5%	99.3%
EFA202213	BAN103380	65%	100%	99.8%
EFA202213	BFR10266	52%	77.8%	99.1%
EFA202213	BPT101790	51%	99.3%	99.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202213	BBU100445	49%	84.7%	98.8%
EFA202213	BCE104313	37%	16.3%	76.6%
EFA202213	BCE111669	52%	98.8%	98.3%
EFA202213	BFU111015	53%	98.8%	98.5%
EFA202213	BMA100432	53%	98.8%	98.3%
EFA202213	CJU100601	49%	98.3%	98.6%
EFA202213	CPN200083	47%	99.2%	99.7%
EFA202213	CTR200818	48%	98.8%	99.7%
EFA202213	CAC102618	51%	99.7%	98.5%
EFA202213	CBO100008	51%	98.5%	97.5%
EFA202213	CDF100502	54%	99.5%	98.5%
EFA202213	CDP100396	46%	98.5%	97.7%
EFA202213	EBC102309	52%	99.5%	99.5%
EFA202213	EFA202213	100%	100%	100%
EFA202213	EFM202626	80%	100%	100%
EFA202213	ECO101834	53%	98.6%	98.6%
EFA202213	HIN100302	52%	98.6%	99.0%
EFA202213	HPY100610	50%	98.3%	99.1%
EFA202213	KPN301306	57%	52.3%	96.8%
EFA202213	LPN101576	53%	98.3%	98.3%
EFA202213	LMO101015	68%	99.0%	98.8%
EFA202213	MCA100604	51%	98.6%	98.7%
EFA202213	MAV103031	46%	87.1%	99.6%
EFA202213	MBV101554	48%	96.1%	93.1%
EFA202213	MLP100306	47%	96.1%	96.1%
EFA202213	MTU202535	48%	96.1%	95.5%
EFA202213	MGE100036	36%	95.8%	95.8%
EFA202213	MPN100108	38%	96.8%	95.7%
EFA202213	NGO101633	53%	98.3%	99.0%
EFA202213	NME201865	53%	98.3%	97.8%
EFA202213	PMU100983	52%	98.6%	99.0%
EFA202213	PRT100115	52%	98.6%	100%
EFA202213	PAE200962	51%	98.3%	98.1%
EFA202213	PPU112195	51%	98.3%	98.1%
EFA202213	PSY106866	50%	90.5%	98.3%
EFA202213	SPA102449	51%	64.9%	98.0%
EFA202213	STY102265	53%	98.6%	98.6%
EFA202213	SAU801630	63%	99.2%	99.7%
EFA202213	SEP201575	63%	99.2%	99.7%
EFA202213	SHA100663	62%	99.2%	99.7%
EFA202213	SMU101272	63%	98.8%	98.0%
EFA202213	SPN401921	65%	98.8%	98.3%
EFA202213	SPY201648	62%	99.5%	99.8%
EFA202213	TPA100975	44%	98.8%	96.8%
EFA202213	UUR100288	45%	98.1%	99.0%
EFA202213	VCH101147	54%	98.6%	98.5%
EFA202213	YPS003419	54%	99.0%	97.7%
EFA202214	ABA101804	63%	74.5%	85.9%
EFA202214	BAN111062	82%	94.9%	98.9%
EFA202214	BAN102544	83%	94.9%	96.9%
EFA202214	BFR10883	53%	83.7%	92.1%
EFA202214	BPT102470	62%	81.6%	94.2%
EFA202214	BBU100779	55%	81.6%	97.5%
EFA202214	BCE103036	61%	85.7%	97.7%

Query LocusID	Homolog LocusID.	Identity	Query Coverage	Homolog Coverage
EFA202214	BFU106480	60%	85.7%	97.7%
EFA202214	BMA101618	60%	85.7%	97.7%
EFA202214	CJU100084	58%	83.7%	97.6%
EFA202214	CPN200204	58%	83.7%	95.2%
EFA202214	CTR200690	64%	85.7%	98.8%
EFA202214	CAC103330	68%	93.9%	92%
EFA202214	CBO102962	75%	93.9%	92%
EFA202214	CDF101911	69%	94.9%	96.9%
EFA202214	CDP101220	61%	81.6%	89.8%
EFA202214	EBC100461	61%	81.6%	95.3%
EFA202214	EFA202214	100%	100%	100%
EFA202214	EFM200824	96%	95.9%	96.9%
EFA202214	ECO103115	61%	81.6%	95.3%
EFA202214	HIN100859	58%	81.6%	94.1%
EFA202214	HPY100293	58%	81.6%	90.9%
EFA202214	KPN300596	60%	81.6%	95.3%
EFA202214	LPN100139	54%	83.7%	90.2%
EFA202214	LMO100798	85%	92.9%	94.8%
EFA202214	MCA101440	55%	81.6%	95.3%
EFA202214	MAV104122	57%	81.6%	89.8%
EFA202214	MBV104431	62%	81.6%	91.9%
EFA202214	MLP100903	59%	84.7%	93.2%
EFA202214	MTU202405	62%	81.6%	91.9%
EFA202214	MGE100239	61%	87.8%	82.7%
EFA202214	MPN100509	61%	90.8%	87.5%
EFA202214	NGO101635	57%	83.7%	92.2%
EFA202214	NME202000	59%	83.7%	92.2%
EFA202214	PMU100348	60%	81.6%	95.3%
EFA202214	PRT100790	60%	81.6%	95.3%
EFA202214	PAE204565	66%	81.6%	95.3%
EFA202214	PPU109793	62%	73.5%	84.7%
EFA202214	PSY102707	56%	83.7%	91.2%
EFA202214	SPA100460	61%	81.6%	95.3%
EFA202214	STY101487	61%	81.6%	95.3%
EFA202214	SAU801645	81%	94.9%	93.9%
EFA202214	SEP201610	82%	94.9%	93.9%
EFA202214	SHA100024	84%	94.9%	93.9%
EFA202214	SMU100757	93%	90.8%	91.8%
EFA202214	SPN401014	90%	89.8%	98.9%
EFA202214	SPY200612	92%	90.8%	91.8%
EFA202214	TPA100735	56%	81.6%	93.1%
EFA202214	UUR100211	57%	96.9%	95%
EFA202214	VCH100431	62%	81.6%	94.2%
EFA202214	YPS002142	61%	81.6%	95.3%
EFA202216	BAN108189	34%	94.7%	93.9%
EFA202216	BAN100435	34%	94.7%	93.9%
EFA202216	CAC103671	25%	94.7%	96.0%
EFA202216	CBO101665	33%	94.7%	95.4%
EFA202216	CDF103326	31%	94.7%	97.1%
EFA202216	EFA202216	100%	100%	100%
EFA202216	EFM200511	74%	100%	100%
EFA202216	LMO102819	32%	86.0%	88.6%
EFA202216	SAU801646	36%	85.1%	82.1%
EFA202216	SEP201611	37%	85.1%	86.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202216	SHA100023	35%	86.0%	87.7%
EFA202216	SMU100756	37%	99.1%	100%
EFA202216	SPN401013	45%	99.1%	99.1%
EFA202216	SPY200611	40%	97.4%	100%
EFA202216	TPA100736	43%	44.7%	44.4%
EFA202216	UUR100212	44%	25.4%	28.4%
EFA202217	ABA105440	41%	95.3%	99.0%
EFA202217	BAN107763	67%	96.2%	100%
EFA202217	BAN108298	67%	96.2%	100%
EFA202217	BFR10884	41%	99.1%	89.3%
EFA202217	BPT104764	46%	99.1%	43.3%
EFA202217	BBU100777	33%	94.3%	98.1%
EFA202217	BCE111959	48%	96.2%	100%
EFA202217	BFU106477	47%	98.1%	84.7%
EFA202217	BMA107479	47%	96.2%	100%
EFA202217	CJU100083	42%	96.2%	100%
EFA202217	CPN200203	44%	93.4%	95.3%
EFA202217	CTR200691	43%	90.6%	92.5%
EFA202217	CAC100327	52%	96.2%	100%
EFA202217	CBO100385	53%	99.1%	80.5%
EFA202217	CDF101910	51%	99.1%	100%
EFA202217	CDP101222	38%	94.3%	99.0%
EFA202217	EBC100460	42%	26.4%	87.5%
EFA202217	EFA202217	100%	100%	100%
EFA202217	EFM200259	96%	96.2%	100%
EFA202217	ECO103116	41%	96.2%	100%
EFA202217	HIN100860	44%	96.2%	100%
EFA202217	HPY100292	40%	95.3%	98.1%
EFA202217	KPN300595	40%	84.0%	100%
EFA202217	LPN100481	44%	94.3%	98.1%
EFA202217	LMO101855	65%	96.2%	100%
EFA202217	MCA101422	48%	96.2%	100%
EFA202217	MAV102387	39%	93.4%	96.1%
EFA202217	MBV104430	40%	97.2%	99.0%
EFA202217	MLP100904	40%	93.4%	96.1%
EFA202217	MTU202406	40%	97.2%	99.0%
EFA202217	MGE100237	36%	91.5%	94%
EFA202217	MPN100511	40%	91.5%	94%
EFA202217	NGO101632	44%	98.1%	92.1%
EFA202217	NME201999	45%	94.3%	99.0%
EFA202217	PMU100347	47%	96.2%	100%
EFA202217	PRT100789	43%	94.3%	99.0%
EFA202217	PAE204566	47%	96.2%	100%
EFA202217	PPU108773	46%	95.3%	65.0%
EFA202217	PSY108282	47%	97.2%	65.4%
EFA202217	SPA100461	38%	66.0%	98.6%
EFA202217	STY101488	40%	96.2%	100%
EFA202217	SAU801647	62%	96.2%	100%
EFA202217	SEP201612	62%	96.2%	100%
EFA202217	SMU100215	79%	97.2%	99.0%
EFA202217	SPN401012	82%	97.2%	99.0%
EFA202217	SPY200610	79%	97.2%	99.0%
EFA202217	TPA100737	39%	94.3%	97.1%
EFA202217	UUR100213	53%	95.3%	98%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202217	VCH100430	49%	96.2%	100%
EFA202217	YPS002148	39%	96.2%	100%
EFA202221	ABA100916	42%	98.2%	98.0%
EFA202221	BAN105403	40%	100%	61.2%
EFA202221	BAN108663	55%	100%	100%
EFA202221	BFR10219	46%	99.0%	99.8%
EFA202221	BPT100915	43%	96.2%	94.5%
EFA202221	BBU100056	49%	98.5%	98.7%
EFA202221	BCE102342	44%	96.0%	94.2%
EFA202221	BFU103508	43%	98.7%	97.2%
EFA202221	BMA100384	44%	97.2%	74.1%
EFA202221	CJU101321	46%	99.0%	98%
EFA202221	CPN200066	43%	98.2%	97.8%
EFA202221	CTR200065	45%	98.2%	97.8%
EFA202221	CAC103753	60%	99.5%	99.0%
EFA202221	CBO101340	56%	99.5%	98.5%
EFA202221	CDF102694	57%	99.5%	98.8%
EFA202221	CDP100277	50%	98.7%	99.0%
EFA202221	EBC103702	45%	98.2%	97.4%
EFA202221	EFA202221	100%	100%	100%
EFA202221	EFM101382	85%	46.3%	100%
EFA202221	ECO102861	45%	98.2%	97.4%
EFA202221	HIN100504	46%	96.7%	95.9%
EFA202221	HPY101327	43%	97.2%	95.0%
EFA202221	KPN300275	52%	13.9%	70.5%
EFA202221	KPN303058	45%	98.2%	97.4%
EFA202221	LPN100314	44%	98.7%	97.0%
EFA202221	LMO100280	79%	100%	100%
EFA202221	MCA101090	39%	99.2%	99.7%
EFA202221	MAV100345	46%	98.5%	96.9%
EFA202221	MBV102164	46%	94.7%	58.1%
EFA202221	MLP100355	45%	97.7%	95.4%
EFA202221	MTU201418	45%	98.5%	96.8%
EFA202221	MGE100306	48%	98.5%	96.9%
EFA202221	MPN100412	50%	99.2%	99.0%
EFA202221	NGO102027	44%	99.2%	97.5%
EFA202221	NME200241	43%	100%	99.5%
EFA202221	PMU101860	46%	96.7%	95.9%
EFA202221	PRT106062	46%	98.2%	97.9%
EFA202221	PAE200551	45%	98.2%	97.4%
EFA202221	PPU104664	44%	98.2%	97.4%
EFA202221	PSY100209	43%	98.2%	96.9%
EFA202221	SPA101905	45%	98.2%	97.9%
EFA202221	STY104499	45%	98.2%	97.4%
EFA202221	SAU800773	73%	100%	100%
EFA202221	SEP201416	73%	100%	100%
EFA202221	SHA101582	73%	100%	100%
EFA202221	SMU100692	67%	100%	100%
EFA202221	SPN400441	68%	100%	100%
EFA202221	SPY201449	68%	100%	100%
EFA202221	TPA100532	44%	99.2%	99.5%
EFA202221	UUR100281	38%	99.2%	96.7%
EFA202221	VCH100472	44%	96.7%	94.6%
EFA202221	YPS000197	45%	98.2%	97.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202223	ABA104568	61%	97.9%	99.8%
EFA202223	BAN112137	72%	8.3%	97.3%
EFA202223	BAN104797	54%	98.6%	99.5%
EFA202223	BAN107021	79%	99.5%	99.8%
EFA202223	BFR12193	67%	96.5%	97.4%
EFA202223	BPT101700	63%	99.5%	100%
EFA202223	BBU100336	66%	99.3%	99.1%
EFA202223	BCE108074	66%	99.5%	100%
EFA202223	BFU100260	67%	67.4%	98.6%
EFA202223	BFU102355	65%	99.5%	100%
EFA202223	BMA107873	63%	48.8%	99.5%
EFA202223	CJU101577	55%	95.1%	97.3%
EFA202223	CPN201052	59%	96.5%	95.8%
EFA202223	CTR200865	58%	98.1%	98.3%
EFA202223	CAC102398	68%	98.8%	98.4%
EFA202223	CBO103490	68%	98.6%	98.1%
EFA202223	CDF100088	70%	22.2%	100%
EFA202223	CDF100292	71%	99.5%	95.8%
EFA202223	CDP100889	60%	98.6%	98.8%
EFA202223	EBC102297	64%	98.1%	98.6%
EFA202223	EFA202223	100%	100%	100%
EFA202223	EFM100534	97%	88.7%	100%
EFA202223	ECO102719	65%	98.1%	98.6%
EFA202223	HIN100911	64%	98.4%	98.9%
EFA202223	HPY100151	57%	95.8%	96.7%
EFA202223	KPN305114	65%	98.1%	98.6%
EFA202223	LPN102643	59%	94.7%	96.2%
EFA202223	LMO102639	78%	99.5%	99.8%
EFA202223	MCA101099	60%	98.8%	95.7%
EFA202223	MAV105503	58%	98.6%	98.1%
EFA202223	MBV103580	58%	98.1%	95.4%
EFA202223	MLP100182	57%	98.1%	93.7%
EFA202223	MTU201012	58%	98.6%	98.1%
EFA202223	MGE100419	55%	99.8%	97.2%
EFA202223	MPN100236	56%	98.8%	96.7%
EFA202223	NGO100995	63%	99.3%	99.5%
EFA202223	NME201361	63%	99.3%	99.5%
EFA202223	PMU101871	65%	98.4%	98.8%
EFA202223	PRT101034	63%	98.1%	98.6%
EFA202223	PAE203633	64%	98.6%	99.5%
EFA202223	PPU109835	63%	94.0%	99.5%
EFA202223	PSY104326	63%	98.6%	91.0%
EFA202223	SPA104184	65%	98.1%	98.6%
EFA202223	STY103508	65%	98.1%	98.6%
EFA202223	SAU800776	74%	99.3%	99.5%
EFA202223	SEP201419	72%	99.3%	99.5%
EFA202223	SHA101585	78%	39.8%	100%
EFA202223	SMU100190	80%	99.5%	99.8%
EFA202223	SPN401036	82%	99.5%	99.8%
EFA202223	SPY200535	80%	99.5%	99.8%
EFA202223	TPA100808	62%	98.6%	98.8%
EFA202223	UUR100184	47%	97.9%	98.9%
EFA202223	VCH102411	63%	98.1%	98.6%
EFA202223	YPS000129	65%	98.1%	98.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202274	ABA100276	27%	95.0%	96.4%
EFA202274	BAN108536	59%	98.4%	99.9%
EFA202274	BAN106673	61%	99.4%	99.3%
EFA202274	BFR102747	29%	97.5%	98.5%
EFA202274	BPT101447	26%	95.4%	95.3%
EFA202274	BBU100586	25%	97.6%	90.7%
EFA202274	BCE102027	26%	71.3%	92.2%
EFA202274	BFU100073	25%	56.6%	88.0%
EFA202274	BMA108903	26%	71.6%	92.5%
EFA202274	CJU100777	39%	97.3%	99.2%
EFA202274	CPN200639	27%	70.8%	90.9%
EFA202274	CTR200296	28%	70.3%	90.2%
EFA202274	CAC100973	54%	98.4%	99.5%
EFA202274	CBO102771	55%	95.6%	92.4%
EFA202274	CDF101033	52%	95.0%	96.3%
EFA202274	CDP100167	29%	70.3%	84.4%
EFA202274	EBC101813	28%	96.5%	97.3%
EFA202274	EFA202274	100%	100%	100%
EFA202274	EFM201416	86%	98.8%	100%
EFA202274	ECO102073	29%	95.1%	96.0%
EFA202274	HIN101245	27%	98.1%	99.1%
EFA202274	HPY100413	38%	97.6%	99.2%
EFA202274	KPN304492	29%	95.1%	95.6%
EFA202274	LPN100787	27%	96.2%	97.5%
EFA202274	LMO100235	67%	98.4%	99.4%
EFA202274	MCA102320	28%	98.8%	100%
EFA202274	MAV104609	42%	8.0%	78.3%
EFA202274	MAV106118	42%	76.8%	98.8%
EFA202274	MBV100570	41%	76.2%	97.9%
EFA202274	MLP100169	42%	76.2%	95.0%
EFA202274	MTU200996	41%	76.2%	97.9%
EFA202274	MGE100021	35%	76.1%	99.2%
EFA202274	MPN100131	36%	76.1%	99.2%
EFA202274	NGO101883	28%	95.9%	97.4%
EFA202274	NME200259	27%	95.9%	97.4%
EFA202274	PMU100303	29%	97.0%	98.1%
EFA202274	PRT101803	28%	94.2%	95.3%
EFA202274	PAE203480	26%	95.4%	96.6%
EFA202274	PPU101569	27%	95.4%	96.6%
EFA202274	PSY100792	27%	95.4%	96.6%
EFA202274	SPA103088	28%	69.1%	85.0%
EFA202274	STY104199	29%	95.1%	96.0%
EFA202274	STM103952	29%	95.1%	96.0%
EFA202274	SAU800490	58%	98.2%	99.5%
EFA202274	SEP201823	57%	98.2%	99.5%
EFA202274	SHA100909	57%	98.2%	99.5%
EFA202274	SMU101170	62%	98.7%	99.9%
EFA202274	SPN400696	64%	98.7%	97.8%
EFA202274	SPY200301	62%	97.9%	99.2%
EFA202274	TPA100790	25%	96.8%	91.6%
EFA202274	UUR100197	44%	77.7%	100%
EFA202274	VCH101017	28%	95.9%	90.6%
EFA202274	YPS002325	27%	94.2%	95.3%
EFA202276	ABA104455	25%	93.7%	84.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202276	BAN109049	46%	14.0%	74.7%
EFA202276	BAN110149	32%	98.1%	97.6%
EFA202276	BAN106497	35%	90.7%	97.7%
EFA202276	BAN105967	41%	99.1%	97.2%
EFA202276	BAN110560	41%	98.1%	96.2%
EFA202276	BAN109567	44%	94.4%	97.1%
EFA202276	BAN113683	44%	98.1%	96.6%
EFA202276	BFR11337	36%	98.3%	86.3%
EFA202276	BCE113281	45%	98.3%	95.8%
EFA202276	BMA110031	44%	98.3%	98.1%
EFA202276	CAC101716	33%	29.4%	97.1%
EFA202276	CAC102152	41%	68.7%	100%
EFA202276	CAC102361	41%	98.3%	97.2%
EFA202276	EFA202276	100%	100%	100%
EFA202276	EFM202409	67%	52.9%	98%
EFA202276	LPN100410	27%	87.9%	97.7%
EFA202276	LMO102666	49%	98.1%	98.5%
EFA202276	MCA100347	23%	82.5%	83.3%
EFA202276	MAV101379	36%	94.6%	90.7%
EFA202276	MBV104872	36%	94.4%	93.5%
EFA202276	MTU203210	36%	94.4%	92.3%
EFA202276	MGE100231	21%	59.4%	68.6%
EFA202276	MPN100517	23%	67.8%	66.4%
EFA202276	PMU100162	22%	75.2%	74.0%
EFA202276	PAE203595	23%	92.0%	92.7%
EFA202276	PPU108666	25%	94.0%	81.2%
EFA202276	SPA101650	22%	90.9%	94.4%
EFA202276	SAU802603	33%	97.8%	96.1%
EFA202276	SEP201258	35%	97.4%	95.4%
EFA202276	SHA101835	34%	98.1%	96.1%
EFA202276	SMU101189	50%	98.7%	98.1%
EFA202276	SPN400905	49%	98.7%	98.7%
EFA202276	SPY200012	51%	98.5%	99.4%
EFA202296	ABA100452	38%	95.5%	97.6%
EFA202296	BFR103869	46%	91.5%	99.6%
EFA202296	BPT101155	44%	91.5%	90.3%
EFA202296	BBU100697	41%	90.7%	92.5%
EFA202296	BCE110744	42%	91.1%	86.4%
EFA202296	BFU102064	42%	91.1%	88.0%
EFA202296	BMA102082	40%	91.1%	86.4%
EFA202296	CJU100663	42%	90.7%	96.6%
EFA202296	CPN200644	47%	90.7%	60.7%
EFA202296	CTR200291	43%	90.7%	62.2%
EFA202296	CAC101341	43%	97.2%	97.1%
EFA202296	CBO102927	48%	98.8%	98.8%
EFA202296	CDF104123	52%	90.7%	97.0%
EFA202296	CDP101153	40%	93.1%	92.8%
EFA202296	EBC100905	46%	98.8%	95.3%
EFA202296	EFA202296	100%	100%	100%
EFA202296	ECO102554	46%	98.8%	95.3%
EFA202296	HIN100192	47%	98.8%	98.8%
EFA202296	HPY101131	39%	91.5%	98.3%
EFA202296	KPN300514	37%	46.3%	100%
EFA202296	LPN101866	43%	98.8%	97.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202296	LMO102506	61%	97.2%	98.0%
EFA202296	MCA100037	35%	96.3%	98%
EFA202296	MAV103396	46%	91.1%	95.0%
EFA202296	MBV102286	47%	90.7%	98.3%
EFA202296	MLP100985	45%	90.7%	95.0%
EFA202296	MTU202868	47%	90.7%	98.3%
EFA202296	MGE100454	41%	90.7%	94.4%
EFA202296	MPN100183	45%	82.1%	93.8%
EFA202296	NGO102006	42%	100%	98.8%
EFA202296	NME200733	44%	100%	98.8%
EFA202296	PMU101297	48%	98.8%	99.2%
EFA202296	PRT100820	47%	98.8%	97.2%
EFA202296	PAE203740	44%	98.4%	96.8%
EFA202296	PPU107801	47%	98.8%	97.2%
EFA202296	PSY102681	47%	98.8%	94.2%
EFA202296	SPA101890	45%	98.0%	94.5%
EFA202296	STY102217	46%	98.8%	95.3%
EFA202296	SAU801240	54%	98.0%	97.6%
EFA202296	SEP201533	54%	98.8%	98.4%
EFA202296	SMU100806	58%	98.8%	98.8%
EFA202296	SPN400687	60%	99.6%	100%
EFA202296	SPY200632	59%	98.4%	97.1%
EFA202296	TPA100898	40%	98.8%	97.2%
EFA202296	UUR100574	42%	91.5%	96.9%
EFA202296	VCH100553	47%	98.8%	98.4%
EFA202296	YPS003421	45%	99.6%	99.6%
EFA202298	ABA100455	62%	96.5%	91.0%
EFA202298	BFR102397	59%	84.3%	82.9%
EFA202298	BPT100242	55%	94.8%	90.5%
EFA202298	BBU100698	49%	94.8%	90.9%
EFA202298	BCE107881	54%	94.8%	87.7%
EFA202298	BFU102066	54%	97.4%	90.7%
EFA202298	BMA100174	54%	94.8%	88.4%
EFA202298	CJU100664	48%	99.1%	98.3%
EFA202298	CPN200643	51%	94.8%	90.1%
EFA202298	CTR200292	49%	98.3%	93.4%
EFA202298	CAC102258	60%	99.1%	100%
EFA202298	CBO102492	57%	97.4%	98.2%
EFA202298	CDF103914	62%	99.1%	98.3%
EFA202298	CDP101148	65%	96.5%	98.2%
EFA202298	EBC100906	58%	97.4%	97.4%
EFA202298	EFA202298	100%	100%	100%
EFA202298	EFM202223	96%	100%	100%
EFA202298	ECO102553	58%	97.4%	97.4%
EFA202298	HIN100191	58%	97.4%	96.6%
EFA202298	HPY101130	50%	98.3%	97.5%
EFA202298	KPN301017	58%	97.4%	97.4%
EFA202298	LPN101449	56%	97.4%	93.4%
EFA202298	LMO102632	82%	99.1%	100%
EFA202298	MCA100220	61%	96.5%	89.4%
EFA202298	MAV102886	66%	91.3%	92.9%
EFA202298	MBV102292	68%	88.7%	90.3%
EFA202298	MLP100984	67%	91.3%	92.9%
EFA202298	MTU202866	68%	88.7%	90.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202298	MGE100453	47%	94.8%	90.8%
EFA202298	MPN100184	48%	94.8%	90.8%
EFA202298	NGO102004	62%	94.8%	92.6%
EFA202298	NME200732	63%	94.8%	92.6%
EFA202298	PMU101298	58%	97.4%	96.6%
EFA202298	PRT100819	57%	97.4%	95.7%
EFA202298	PAE203739	61%	96.5%	95.7%
EFA202298	PPU107802	58%	96.5%	95.7%
EFA202298	PSY103791	57%	96.5%	95.7%
EFA202298	SPA101891	58%	97.4%	97.4%
EFA202298	STY102215	58%	97.4%	97.4%
EFA202298	SAU801241	74%	96.5%	95.7%
EFA202298	SEP201534	75%	96.5%	95.7%
EFA202298	SMU100257	81%	100%	100%
EFA202298	SPN401170	86%	100%	100%
EFA202298	SPY200530	83%	100%	100%
EFA202298	TPA100899	59%	93.9%	87.8%
EFA202298	UUR100573	58%	90.4%	84.6%
EFA202298	VCH100554	62%	97.4%	95.7%
EFA202298	YPS003417	56%	97.4%	97.4%
EFA202378	ABA102548	48%	8.6%	92.7%
EFA202378	ABA101894	43%	99.3%	99.1%
EFA202378	BAN112993	54%	11.9%	93.8%
EFA202378	BAN112360	54%	73.3%	100%
EFA202378	BAN110893	60%	99.7%	99.4%
EFA202378	BFR11415	40%	98.9%	99.2%
EFA202378	BPT101143	44%	99.3%	99.5%
EFA202378	BBU100219	38%	79.9%	100%
EFA202378	BCE107013	47%	48.0%	94.4%
EFA202378	BFU114595	43%	99.3%	99.5%
EFA202378	BMA107024	44%	99.3%	99.5%
EFA202378	CJU100469	41%	98.2%	98.7%
EFA202378	CPN200957	36%	97.8%	97.7%
EFA202378	CTR200124	36%	99.4%	99.5%
EFA202378	CAC100475	45%	99.4%	99.2%
EFA202378	CBO102316	47%	99.3%	99.1%
EFA202378	CDF100894	45%	99.0%	98.7%
EFA202378	CDP100382	39%	99.0%	99.4%
EFA202378	EBC101519	45%	98.4%	100%
EFA202378	EFA202378	100%	100%	100%
EFA202378	EFM102001	87%	14.2%	100%
EFA202378	ECO102637	44%	99.3%	99.2%
EFA202378	HIN100794	44%	99.2%	99.3%
EFA202378	HPY101224	40%	98.5%	98.8%
EFA202378	KPN301584	45%	99.3%	99.3%
EFA202378	LPN103164	40%	99.3%	99.7%
EFA202378	LMO101358	65%	99.7%	99.4%
EFA202378	MCA100516	42%	99.7%	99.4%
EFA202378	MAV107627	31%	6.1%	40.5%
EFA202378	MAV102135	39%	97.5%	99.0%
EFA202378	MBV100967	38%	99.4%	99.3%
EFA202378	MLP100309	37%	99.4%	99.7%
EFA202378	MTU202518	38%	99.4%	99.3%
EFA202378	MGE100298	35%	93.5%	91.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202378	MPN100422	34%	93.0%	90%
EFA202378	NGO101407	44%	99.3%	99.4%
EFA202378	NME201646	44%	99.3%	99.4%
EFA202378	PMU101287	43%	99.2%	99.3%
EFA202378	PRT101312	43%	99.2%	99.2%
EFA202378	PAE200902	46%	99.3%	99.5%
EFA202378	PPU106922	43%	98.6%	98.9%
EFA202378	PSY103114	45%	92.0%	96.8%
EFA202378	SPA101276	44%	99.2%	99.7%
EFA202378	STY102766	45%	99.3%	99.2%
EFA202378	SAU801618	55%	99.9%	99.9%
EFA202378	SEP201165	56%	99.9%	99.9%
EFA202378	SHA101190	55%	99.7%	99.3%
EFA202378	SMU100824	62%	99.2%	99.5%
EFA202378	SPN401239	62%	99.2%	99.5%
EFA202378	SPY201063	61%	99.2%	99.5%
EFA202378	TPA101007	40%	79.8%	98.5%
EFA202378	UUR100371	35%	100%	100%
EFA202378	VCH100535	44%	99.4%	99.4%
EFA202378	YPS003498	44%	99.4%	99.4%
EFA202536	EFA202536	100%	100%	100%
EFA202608	EFA202608	100%	100%	100%
EFA202631	EFA204185	57%	20.0%	50.7%
EFA202631	EFA202629	39%	3.7%	13.3%
EFA202631	EFA204186	36%	99.5%	99.5%
EFA202631	EFA204183	39%	100%	100%
EFA202631	EFA202631	100%	100%	100%
EFA202631	EFA204184	23%	48.2%	93.2%
EFA202631	EFA200995	23%	64.1%	47.2%
EFA202631	EFA203904	45%	37.5%	12.7%
EFA202631	NME200958	19%	14.5%	48.4%
EFA202631	SAU502622	28%	6.4%	41.7%
EFA202631	SPN300598	24%	11.7%	7.3%
EFA202631	SPY200299	26%	7.7%	6.3%
EFA202953	BAN104895	86%	100%	100%
EFA202953	BAN100258	86%	100%	100%
EFA202953	BBU100490	54%	100%	82.4%
EFA202953	CJU101598	63%	100%	100%
EFA202953	CAC102855	67%	100%	100%
EFA202953	CBO101206	67%	100%	100%
EFA202953	CDF102552	68%	100%	100%
EFA202953	EFA202953	100%	100%	100%
EFA202953	EFM201806	98%	100%	100%
EFA202953	HPY101288	63%	100%	100%
EFA202953	LPN101663	50%	98.4%	56%
EFA202953	LMO100535	86%	100%	100%
EFA202953	MAV102072	55%	100%	100%
EFA202953	MBV101641	55%	100%	100%
EFA202953	MLP101124	55%	100%	100%
EFA202953	MTU200714	55%	100%	100%
EFA202953	MGE100167	63%	100%	100%
EFA202953	MPN100653	62%	100%	100%
EFA202953	SAU802237	77%	100%	100%
EFA202953	SEP202534	77%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA202953	SHA103188	77%	100%	100%
EFA202953	SMU102003	88%	100%	100%
EFA202953	SPY200050	93%	100%	100%
EFA202953	TPA100200	55%	100%	100%
EFA202953	UUR100246	67%	100%	100%
EFA203061	ABA102503	45%	90.9%	79.7%
EFA203061	BAN113355	62%	100%	100%
EFA203061	BAN109536	62%	100%	100%
EFA203061	BFR104500	39%	95.5%	100%
EFA203061	BPT100293	40%	93.9%	95.4%
EFA203061	BBU100188	31%	90.9%	90.9%
EFA203061	BCE106262	41%	87.9%	93.5%
EFA203061	BFU102444	39%	87.9%	93.5%
EFA203061	BMA105698	43%	93.9%	95.4%
EFA203061	CJU100216	38%	93.9%	96.8%
EFA203061	CPN200848	39%	87.9%	95.3%
EFA203061	CTR200217	39%	87.9%	95.3%
EFA203061	CAC101588	46%	93.9%	95.4%
EFA203061	CBO102406	48%	93.9%	95.4%
EFA203061	CDF104095	54%	93.9%	96.9%
EFA203061	CDP100973	50%	93.9%	96.9%
EFA203061	EBC102982	53%	81.8%	83.1%
EFA203061	EFA203061	100%	100%	100%
EFA203061	EFM202134	87%	100%	100%
EFA203061	ECO101685	51%	81.8%	83.1%
EFA203061	HIN101285	53%	81.8%	60.7%
EFA203061	HPY100123	35%	97.0%	98.4%
EFA203061	KPN301691	51%	81.8%	83.1%
EFA203061	LPN101798	37%	92.4%	98.4%
EFA203061	LMO101064	65%	100%	100%
EFA203061	MAV106547	37%	93.9%	96.9%
EFA203061	MBV101273	40%	93.9%	96.9%
EFA203061	MLP100865	38%	93.9%	96.9%
EFA203061	MTU201621	40%	93.9%	96.9%
EFA203061	MGE100199	44%	81.8%	91.5%
EFA203061	MPN100038	46%	81.8%	91.5%
EFA203061	NGO101853	45%	93.9%	95.4%
EFA203061	NME200856	45%	93.9%	95.4%
EFA203061	PMU100603	53%	81.8%	83.1%
EFA203061	PRT103408	51%	81.8%	83.1%
EFA203061	PAE202740	50%	93.9%	95.3%
EFA203061	PPU103712	40%	93.9%	88.4%
EFA203061	PSY107471	38%	93.9%	95.3%
EFA203061	SPA100656	51%	81.8%	83.1%
EFA203061	STY101126	51%	81.8%	83.1%
EFA203061	STM103447	51%	81.8%	83.1%
EFA203061	SAU801679	66%	100%	100%
EFA203061	SEP201663	68%	100%	100%
EFA203061	SHA100081	66%	100%	100%
EFA203061	SMU100910	77%	100%	100%
EFA203061	SPN400862	78%	100%	100%
EFA203061	SPY200597	79%	89.4%	90.8%
EFA203061	TPA100840	33%	93.9%	93.9%
EFA203061	UUR100230	43%	90.9%	93.8%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA203061	VCH103019	37%	93.9%	95.3%
EFA203061	YPS003064	48%	81.8%	83.1%
EFA203071	EFA203138	100%	100%	100%
EFA203071	EFA203071	100%	100%	100%
EFA203071	MCA103470	66%	67.5%	60%
EFA203071	MAV104787	71%	52.5%	27.6%
EFA203071	NGO102501	60%	50%	33.3%
EFA203071	NGO103053	60%	50%	33.3%
EFA203071	NGO103118	60%	50%	33.3%
EFA203071	NGO102478	60%	50%	33.3%
EFA203071	SAU103910	70%	42.5%	50%
EFA203137	ABA100104	65%	100%	100%
EFA203137	BPT104512	63%	100%	100%
EFA203137	BBU100498	70%	97.4%	92.3%
EFA203137	BCE112105	63%	100%	100%
EFA203137	BFU103878	63%	100%	100%
EFA203137	BMA103855	63%	100%	100%
EFA203137	CJU101497	76%	100%	100%
EFA203137	CPN200908	50%	97.4%	84.4%
EFA203137	CTR200164	44%	97.4%	84.4%
EFA203137	CAC101480	81%	100%	100%
EFA203137	CBO103541	84%	100%	97.4%
EFA203137	CDF103770	81%	100%	100%
EFA203137	CDP102780	42%	100%	100%
EFA203137	EBC103975	45%	86.8%	71.7%
EFA203137	EFA203137	100%	100%	100%
EFA203137	EFM202440	100%	100%	100%
EFA203137	ECO103222	63%	100%	100%
EFA203137	HIN100779	63%	100%	100%
EFA203137	HPY101279	71%	100%	100%
EFA203137	KPN202806	45%	86.8%	71.7%
EFA203137	LMO101459	86%	100%	100%
EFA203137	MCA102164	48%	86.8%	71.7%
EFA203137	MBV104764	71%	100%	100%
EFA203137	MLP101198	73%	100%	100%
EFA203137	MTU203414	71%	100%	100%
EFA203137	MGE100177	60%	100%	100%
EFA203137	MPN100643	63%	100%	100%
EFA203137	NGO101308	54%	63.2%	58.5%
EFA203137	NME200101	57%	100%	100%
EFA203137	PMU101394	60%	100%	100%
EFA203137	PRT103159	68%	100%	100%
EFA203137	PAE204240	68%	100%	100%
EFA203137	PSY103480	68%	100%	67.9%
EFA203137	SPA100818	52%	65.8%	54.3%
EFA203137	STY104823	63%	100%	100%
EFA203137	STM104443	52%	65.8%	54.3%
EFA203137	SAU802227	84%	100%	100%
EFA203137	SEP202480	84%	100%	100%
EFA203137	SHA100499	84%	100%	100%
EFA203137	SMU100592	89%	100%	100%
EFA203137	SPN400212	92%	100%	100%
EFA203137	SPY200060	89%	100%	100%
EFA203137	TPA100207	63%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA203137	UUR100256	65%	100%	100%
EFA203137	VCH102538	68%	100%	100%
EFA203137	YPS003891	65%	100%	100%
EFA203140	EFA203140	100%	100%	100%
EFA203246	EFA203246	100%	100%	100%
EFA203429	ABA100121	38%	96.9%	97.8%
EFA203429	BAN102691	38%	97.5%	94.8%
EFA203429	BAN100195	41%	96.9%	97.6%
EFA203429	BPT102941	37%	96.3%	98.0%
EFA203429	BCE100976	57%	43.8%	78.0%
EFA203429	BFU107829	39%	97.5%	99.4%
EFA203429	BMA104958	37%	96.3%	98.1%
EFA203429	CJU101215	38%	98.8%	99.3%
EFA203429	CPN200574	36%	98.8%	98.2%
EFA203429	CTR200393	34%	98.8%	99.4%
EFA203429	CAC102521	38%	98.1%	98.7%
EFA203429	CBO102046	36%	97.5%	98.1%
EFA203429	CDF101397	40%	97.5%	98%
EFA203429	EBC103552	33%	95.7%	97.4%
EFA203429	EFA203429	100%	100%	100%
EFA203429	EFM200558	55%	97.5%	92.8%
EFA203429	ECO103185	32%	95.7%	97.4%
EFA203429	HIN100950	35%	95.7%	97.4%
EFA203429	HPY100367	36%	98.8%	99.4%
EFA203429	KPN307946	32%	95.7%	97.4%
EFA203429	LPN101729	35%	96.3%	98.1%
EFA203429	LMO100213	42%	98.8%	98.7%
EFA203429	MCA103068	48%	58.6%	69.3%
EFA203429	NGO101619	37%	96.3%	98.0%
EFA203429	NME200553	37%	96.3%	98.0%
EFA203429	PMU101092	35%	95.7%	97.4%
EFA203429	PRT101210	34%	96.3%	98.1%
EFA203429	PAE204842	37%	97.5%	99.4%
EFA203429	PPU108140	36%	97.5%	99.3%
EFA203429	PSY100848	38%	97.5%	99.3%
EFA203429	SPA101602	33%	95.7%	97.4%
EFA203429	STY101662	33%	95.7%	97.4%
EFA203429	STM102306	33%	95.7%	97.4%
EFA203429	SAU801527	40%	97.5%	99.4%
EFA203429	SEP200910	34%	97.5%	99.4%
EFA203429	SHA101871	35%	97.5%	99.4%
EFA203429	SMU100535	45%	97.5%	99.4%
EFA203429	SPN400383	46%	97.5%	99.4%
EFA203429	SPY201346	44%	97.5%	99.4%
EFA203429	VCH100292	34%	95.7%	76.0%
EFA203429	YPS003132	33%	95.7%	97.4%
EFA203598	ABA104077	24%	70.5%	82.3%
EFA203598	EFA203598	100%	100%	100%
EFA203606	EFA203606	100%	100%	100%
EFA203606	HPY201414	24%	33.9%	47.8%
EFA203607	EFA204825	23%	99.2%	99.8%
EFA203607	EFA203607	100%	100%	100%
EFA203607	SPY101254	25%	37.9%	33.4%
EFA203904	BBU100284	22%	16.5%	31.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA203904	CAC100454	30%	9.8%	29.8%
EFA203904	EFA204186	47%	11.4%	37.7%
EFA203904	EFA204183	46%	13.6%	36.9%
EFA203904	EFA202631	45%	12.7%	37.5%
EFA203904	EFA202629	46%	37.0%	65.5%
EFA203904	EFA204185	39%	30.8%	7.9%
EFA203904	EFA203904	100%	100%	100%
EFA203904	HPY100177	23%	11.8%	23.8%
EFA203904	LPN101476	20%	25.4%	32.5%
EFA204122	EFA204122	100%	100%	100%
EFA204122	HPY100361	76%	64.1%	83.3%
EFA204646	BAN109062	21%	28.7%	50.4%
EFA204646	BAN102928	21%	28.7%	82.7%
EFA204646	EFA205116	38%	97.2%	95.8%
EFA204646	EFA204646	100%	100%	100%
EFA204646	MGE100429	24%	28.9%	31.4%
EFA204646	SHA102595	28%	19.4%	16.4%
EFA205207	BAN107825	37%	62.6%	84.2%
EFA205207	BAN111609	37%	62.6%	82.1%
EFA205207	CAC101019	26%	61.2%	87.9%
EFA205207	CBO102919	29%	56.1%	78%
EFA205207	CDF103744	28%	75.7%	88.2%
EFA205207	CDP101251	23%	88.3%	86.6%
EFA205207	EFA205207	100%	100%	100%
EFA205207	EFM202104	43%	99.5%	99.5%
EFA205207	LMO100809	35%	75.2%	91.4%
EFA205207	MAV103259	25%	100%	99.5%
EFA205207	MBV100536	25%	100%	90.0%
EFA205207	MLP100575	29%	41.6%	42.4%
EFA205207	MTU202113	25%	100%	90.0%
EFA205207	SAU801189	33%	95.8%	94.7%
EFA205207	SEP200923	33%	88.8%	95.9%
EFA205207	SHA100165	34%	90.2%	88.5%
EFA205207	SMU100097	31%	88.8%	90.6%
EFA205207	SPN401507	26%	68.7%	77.7%
EFA205207	SPY201168	25%	81.8%	84.9%
EFA205225	ABA102422	70%	94.4%	93.2%
EFA205225	BAN103338	86%	59.7%	100%
EFA205225	BFR100583	66%	100%	100%
EFA205225	BPT100892	69%	100%	100%
EFA205225	BBU100168	68%	97.2%	77.8%
EFA205225	BCE109557	69%	100%	100%
EFA205225	BFU100382	69%	100%	94.7%
EFA205225	BMA107769	68%	100%	100%
EFA205225	CJU101496	66%	100%	100%
EFA205225	CPN200690	54%	97.2%	95.9%
EFA205225	CTR200589	54%	97.2%	95.9%
EFA205225	CAC103209	75%	100%	100%
EFA205225	CBO100838	73%	100%	100%
EFA205225	CDF104286	75%	100%	100%
EFA205225	CDP100014	75%	100%	100%
EFA205225	EBC100928	71%	97.2%	97.2%
EFA205225	EFA205225	100%	100%	100%
EFA205225	EFM200666	98%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA205225	ECO100859	72%	97.2%	97.2%
EFA205225	HIN100527	70%	97.2%	83.3%
EFA205225	HPY101280	63%	100%	100%
EFA205225	KPN301361	70%	86.1%	96.9%
EFA205225	LPN102139	68%	100%	98.6%
EFA205225	LMO101112	93%	100%	100%
EFA205225	MCA100273	67%	97.2%	95.9%
EFA205225	MAV101015	75%	100%	100%
EFA205225	MBV100332	75%	100%	100%
EFA205225	MLP101199	75%	100%	100%
EFA205225	MTU203415	75%	100%	100%
EFA205225	MGE100176	45%	94.4%	97.1%
EFA205225	MPN100644	49%	95.8%	88.5%
EFA205225	NGO100894	71%	97.2%	97.2%
EFA205225	NME200102	71%	97.2%	97.2%
EFA205225	PMU101031	68%	97.2%	97.2%
EFA205225	PRT101847	71%	97.2%	97.2%
EFA205225	PAE202617	72%	97.2%	97.2%
EFA205225	PPU110129	72%	97.2%	97.2%
EFA205225	PSY108380	71%	97.2%	97.2%
EFA205225	SPA101389	72%	97.2%	97.2%
EFA205225	STY102886	72%	97.2%	97.2%
EFA205225	SAU802228	84%	100%	100%
EFA205225	SEP200242	83%	100%	100%
EFA205225	SHA100498	83%	100%	98.6%
EFA205225	SMU100596	86%	100%	100%
EFA205225	SPN400211	81%	100%	80%
EFA205225	SPY200059	84%	100%	100%
EFA205225	TPA100096	62%	97.2%	97.2%
EFA205225	UUR100255	55%	100%	97.3%
EFA205225	VCH101709	70%	97.2%	97.2%
EFA205225	YPS003792	71%	97.2%	97.2%
EFA205229	ABA100108	31%	98.3%	100%
EFA205229	BAN104365	67%	94.9%	93.3%
EFA205229	BFR100963	41%	94.9%	96.6%
EFA205229	BPT104115	39%	94.9%	91.8%
EFA205229	BBU100495	35%	94.9%	55.4%
EFA205229	BFU104042	41%	89.8%	84.1%
EFA205229	BMA107387	41%	89.8%	84.1%
EFA205229	CAC103086	43%	96.6%	100%
EFA205229	CBO100965	48%	98.3%	98.3%
EFA205229	CDF102795	49%	100%	96.7%
EFA205229	CDP102962	41%	94.9%	91.8%
EFA205229	EBC103644	43%	93.2%	93.2%
EFA205229	EFA205229	100%	100%	100%
EFA205229	EFM200795	81%	100%	100%
EFA205229	ECO103225	45%	93.2%	93.2%
EFA205229	HIN100776	40%	93.2%	93.2%
EFA205229	KPN300492	43%	89.8%	93.0%
EFA205229	LPN102267	50%	94.9%	91.8%
EFA205229	LMO100063	69%	100%	100%
EFA205229	MCA102911	34%	98.3%	98.3%
EFA205229	MAV102080	39%	94.9%	78.9%
EFA205229	MBV101607	40%	96.6%	87.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA205229	MLP101119	40%	96.6%	80.3%
EFA205229	MTU200719	40%	96.6%	87.7%
EFA205229	NGO102470	36%	93.2%	90.2%
EFA205229	NME200105	36%	93.2%	90.2%
EFA205229	PMU101397	40%	93.2%	93.2%
EFA205229	PRT100559	43%	93.2%	90.2%
EFA205229	PAE204243	42%	96.6%	98.3%
EFA205229	PPU108173	38%	96.6%	98.3%
EFA205229	PSY107474	36%	96.6%	98.3%
EFA205229	SPA106249	45%	93.2%	93.2%
EFA205229	STY105107	45%	93.2%	93.2%
EFA205229	SAU802232	62%	98.3%	98.3%
EFA205229	SEP202555	58%	98.3%	96.7%
EFA205229	SHA100092	60%	98.3%	98.3%
EFA205229	SMU102834	64%	100%	98.3%
EFA205229	SPN400207	62%	100%	98.3%
EFA205229	SPY200055	64%	100%	98.3%
EFA205229	VCH102541	41%	98.3%	100%
EFA205229	YPS004281	41%	93.2%	93.2%
EFA205255	ABA102168	46%	86.4%	96.7%
EFA205255	BAN110382	70%	94.2%	94.2%
EFA205255	BAN104944	71%	100%	100%
EFA205255	BFR103505	51%	96.1%	94.3%
EFA205255	BPT104094	52%	96.1%	93.4%
EFA205255	BBU100488	36%	94.2%	94.1%
EFA205255	BCE110380	51%	96.1%	95.1%
EFA205255	BFU100383	49%	96.1%	95.1%
EFA205255	BMA108868	53%	96.1%	95.1%
EFA205255	CJU101600	54%	64.1%	85.7%
EFA205255	CPN200109	46%	79.6%	70.3%
EFA205255	CTR200793	49%	61.2%	55.0%
EFA205255	CAC102906	48%	94.2%	92.5%
EFA205255	CBO100250	55%	94.2%	93.3%
EFA205255	CDF103678	58%	98.1%	99.0%
EFA205255	CDP101580	52%	96.1%	98.1%
EFA205255	EBC103629	48%	96.1%	95.2%
EFA205255	EFA205255	100%	100%	100%
EFA205255	EFM201757	88%	100%	100%
EFA205255	ECO103232	50%	96.1%	95.2%
EFA205255	HIN100769	43%	96.1%	96.1%
EFA205255	HPY101290	53%	64.1%	90.4%
EFA205255	KPN305017	50%	96.1%	95.2%
EFA205255	LMO101665	69%	100%	100%
EFA205255	MCA100154	48%	96.1%	94.3%
EFA205255	MAV102067	50%	96.1%	98.1%
EFA205255	MBV101639	50%	96.1%	98.1%
EFA205255	MLP101126	51%	96.1%	98.1%
EFA205255	MTU200712	50%	96.1%	98.1%
EFA205255	MGE100165	39%	96.1%	97.2%
EFA205255	MPN100655	40%	96.1%	97.3%
EFA205255	NGO100931	43%	94.2%	93.5%
EFA205255	NME200112	44%	94.2%	93.5%
EFA205255	PMU101404	44%	96.1%	96.1%
EFA205255	PRT103501	44%	35.0%	89.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA205255	PAE204250	48%	92.2%	91.3%
EFA205255	PPU104522	46%	97.1%	96.2%
EFA205255	PSY100105	45%	97.1%	96.2%
EFA205255	SPA104335	48%	96.1%	95.2%
EFA205255	STY101806	50%	96.1%	95.2%
EFA205255	SAU802239	65%	96.1%	94.3%
EFA205255	SEP200261	66%	96.1%	94.3%
EFA205255	SHA101599	64%	63.1%	91.5%
EFA205255	SMU100605	70%	99.0%	100%
EFA205255	SPN400200	69%	99.0%	100%
EFA205255	SPY200048	69%	99.0%	100%
EFA205255	TPA100198	48%	96.1%	94.2%
EFA205255	UUR100244	50%	97.1%	93.6%
EFA205255	VCH102548	47%	96.1%	94.3%
EFA205255	YPS002450	50%	96.1%	95.2%
EFA205257	BAN105005	85%	89.5%	97.7%
EFA205257	BFR100428	60%	87.4%	97.6%
EFA205257	BPT104067	46%	95.8%	97.8%
EFA205257	BBU100486	56%	84.2%	95.2%
EFA205257	BCE100913	54%	85.3%	90%
EFA205257	BFU103897	59%	33.7%	71.1%
EFA205257	BMA102592	54%	85.3%	90%
EFA205257	CJU101602	48%	83.2%	95.2%
EFA205257	CPN200107	53%	85.3%	93.0%
EFA205257	CTR200795	49%	85.3%	96.4%
EFA205257	CAC101333	64%	86.3%	97.6%
EFA205257	CBO101908	65%	86.3%	97.6%
EFA205257	CDF102812	67%	85.3%	96.4%
EFA205257	CDP102662	55%	87.4%	90.2%
EFA205257	EBC103647	54%	83.2%	94.0%
EFA205257	EFA205257	100%	100%	100%
EFA205257	EFM201704	94%	92.6%	100%
EFA205257	ECO103234	54%	83.2%	94.0%
EFA205257	HIN100766	57%	80%	89.4%
EFA205257	HPY101292	43%	86.3%	95.3%
EFA205257	KPN204999	53%	83.2%	94.0%
EFA205257	LMO101712	83%	89.5%	97.7%
EFA205257	MCA101811	56%	83.2%	87.8%
EFA205257	MAV102052	58%	85.3%	69.2%
EFA205257	MBV101010	55%	90.5%	63.2%
EFA205257	MLP101128	59%	85.3%	63.8%
EFA205257	MTU200707	55%	90.5%	63.2%
EFA205257	MGE100163	48%	86.3%	97.6%
EFA205257	MPN100657	55%	86.3%	97.6%
EFA205257	NGO102122	55%	89.5%	96.6%
EFA205257	NME200114	56%	89.5%	96.6%
EFA205257	PMU101406	57%	80%	89.4%
EFA205257	PRT103498	45%	71.6%	100%
EFA205257	PAE204252	53%	90.5%	97.7%
EFA205257	PPU104520	56%	90.5%	95.6%
EFA205257	PSY107655	52%	90.5%	97.7%
EFA205257	SPA104305	41%	83.2%	94.0%
EFA205257	STY101804	54%	83.2%	94.0%
EFA205257	SAU802241	80%	89.5%	97.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA205257	SEP200263	81%	89.5%	97.7%
EFA205257	SHA100777	80%	89.5%	97.7%
EFA205257	SMU100607	84%	89.5%	98.8%
EFA205257	SPN400198	87%	89.5%	98.8%
EFA205257	SPY200046	85%	89.5%	98.8%
EFA205257	TPA100196	56%	86.3%	97.6%
EFA205257	UUR100242	59%	86.3%	97.6%
EFA205257	VCH102550	57%	76.8%	86.9%
EFA205257	YPS002447	50%	86.3%	97.6%
EFA205258	BAN110808	73%	96.8%	90.9%
EFA205258	BFR105960	31%	96.8%	92.3%
EFA205258	BPT104063	42%	98.4%	96.8%
EFA205258	BBU100485	35%	91.9%	86.4%
EFA205258	BCE113660	41%	100%	96.9%
EFA205258	BFU103895	45%	100%	95.4%
EFA205258	BMA106564	43%	100%	96.9%
EFA205258	CJU101603	42%	91.9%	93.4%
EFA205258	CAC100885	63%	96.8%	89.6%
EFA205258	CBO100087	60%	96.8%	90%
EFA205258	CDF101032	63%	96.8%	84.5%
EFA205258	CDP102152	55%	90.3%	73.7%
EFA205258	EBC103651	45%	98.4%	96.8%
EFA205258	EFA205258	100%	100%	100%
EFA205258	EFM200524	96%	98.4%	98.4%
EFA205258	ECO103235	45%	98.4%	96.8%
EFA205258	HIN100765	45%	98.4%	96.8%
EFA205258	HPY101293	38%	91.9%	86.4%
EFA205258	KPN205610	45%	98.4%	96.8%
EFA205258	LMO100756	71%	96.8%	95.2%
EFA205258	MCA100557	47%	96.8%	92.3%
EFA205258	MAV108778	60%	90.3%	72.7%
EFA205258	MBV101011	62%	90.3%	72.7%
EFA205258	MLP101129	58%	90.3%	69.1%
EFA205258	MTU200706	62%	90.3%	72.7%
EFA205258	MGE100162	35%	91.9%	28.5%
EFA205258	MPN100658	36%	91.9%	51.4%
EFA205258	NGO103266	41%	96.8%	95.2%
EFA205258	NME200115	41%	96.8%	95.2%
EFA205258	PMU101407	47%	98.4%	96.8%
EFA205258	PRT104948	53%	66.1%	89.1%
EFA205258	PAE204253	42%	98.4%	96.8%
EFA205258	PPU108202	42%	98.4%	95.3%
EFA205258	PSY103398	42%	98.4%	95.3%
EFA205258	STY107537	45%	98.4%	96.8%
EFA205258	SAU802242	70%	96.8%	87.0%
EFA205258	SEP202582	70%	96.8%	87.0%
EFA205258	SHA103379	70%	96.8%	87.0%
EFA205258	SMU102853	57%	91.9%	82.6%
EFA205258	SPN400197	63%	91.9%	83.8%
EFA205258	SPY200045	59%	91.9%	83.8%
EFA205258	TPA100195	30%	85.5%	73.6%
EFA205258	UUR100241	38%	87.1%	76%
EFA205258	VCH102551	49%	98.4%	96.8%
EFA205258	YPS005126	45%	98.4%	96.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA205285	ABA100082	36%	97.9%	91.5%
EFA205285	BFR102748	32%	84.4%	89.6%
EFA205285	BPT104043	39%	94.8%	92.9%
EFA205285	BBU100479	32%	90.6%	91.3%
EFA205285	BCE100645	43%	95.8%	87.5%
EFA205285	BFU103900	43%	95.8%	87.5%
EFA205285	BMA108040	43%	95.8%	87.5%
EFA205285	CPN200100	35%	80.2%	88.3%
EFA205285	CTR200802	32%	83.3%	91.0%
EFA205285	CAC102428	53%	95.8%	93.9%
EFA205285	CBO102507	52%	92.7%	91.8%
EFA205285	CDF101975	57%	92.7%	92.7%
EFA205285	CDP102947	43%	91.7%	87.1%
EFA205285	EBC101608	37%	85.4%	83.8%
EFA205285	EFA205285	100%	100%	100%
EFA205285	ECO103241	38%	85.4%	83%
EFA205285	HIN100759	33%	97.9%	94.9%
EFA205285	KPN300697	38%	85.4%	83%
EFA205285	LMO100631	69%	96.9%	98.9%
EFA205285	MCA100250	43%	87.5%	78.9%
EFA205285	MAV102088	47%	93.8%	90%
EFA205285	MBV101017	47%	93.8%	90%
EFA205285	MLP101135	47%	91.7%	88%
EFA205285	MTU200700	47%	93.8%	90%
EFA205285	MGE100156	38%	85.4%	80.2%
EFA205285	MPN100664	36%	85.4%	35.9%
EFA205285	NGO102702	40%	96.9%	89.4%
EFA205285	NME200121	38%	96.9%	87.7%
EFA205285	PMU101413	35%	97.9%	94%
EFA205285	PRT100325	37%	85.4%	83%
EFA205285	PAE204259	36%	94.8%	91.9%
EFA205285	PPU102891	35%	94.8%	91.9%
EFA205285	PSY107072	35%	94.8%	91.9%
EFA205285	SPA104317	38%	85.4%	83%
EFA205285	STY101788	38%	85.4%	83%
EFA205285	SAU802248	68%	92.7%	97.8%
EFA205285	SEP200275	69%	92.7%	97.8%
EFA205285	SHA100770	73%	92.7%	97.8%
EFA205285	SPN400190	65%	97.9%	96.9%
EFA205285	SPY200039	68%	97.9%	96.9%
EFA205285	TPA100189	42%	83.3%	85.1%
EFA205285	UUR100235	33%	85.4%	81.9%
EFA205285	VCH102557	38%	85.4%	83%
EFA205285	YPS005095	38%	85.4%	83%
EFA205288	ABA100720	56%	64.7%	100%
EFA205288	BAN112470	85%	82.4%	100%
EFA205288	BFR102501	64%	97.1%	98.0%
EFA205288	BPT104019	64%	100%	85.7%
EFA205288	BBU100476	57%	99.0%	98.1%
EFA205288	BCE114850	64%	100%	82.3%
EFA205288	BFU100268	64%	100%	71.3%
EFA205288	BMA104676	64%	100%	99.0%
EFA205288	CJU101612	56%	96.1%	95.1%
EFA205288	CPN200200	66%	97.1%	94.3%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA205288	CTR200710	67%	97.1%	94.3%
EFA205288	CAC101769	77%	100%	100%
EFA205288	CBO101448	76%	100%	100%
EFA205288	CDF104153	76%	61.8%	100%
EFA205288	CDP100914	71%	99.0%	100%
EFA205288	EBC101611	63%	100%	99.0%
EFA205288	EFA205288	100%	100%	100%
EFA205288	ECO103244	61%	100%	99.0%
EFA205288	HIN100756	63%	100%	86.4%
EFA205288	HPY101302	58%	95.1%	93.3%
EFA205288	KPN304660	63%	100%	94.4%
EFA205288	LMO100137	88%	100%	100%
EFA205288	MCA101858	62%	100%	99.0%
EFA205288	MAV102085	71%	99.0%	100%
EFA205288	MBV100992	71%	99.0%	100%
EFA205288	MLP101138	71%	99.0%	100%
EFA205288	MTU200697	71%	99.0%	100%
EFA205288	MGE100153	41%	92.2%	88.7%
EFA205288	MPN100667	39%	92.2%	87.0%
EFA205288	NGO102546	64%	100%	99.0%
EFA205288	NME200127	64%	100%	99.0%
EFA205288	PMU101416	63%	100%	99.0%
EFA205288	PRT100142	63%	100%	99.0%
EFA205288	PAE204262	63%	100%	99.0%
EFA205288	PPU104502	62%	91.2%	98.9%
EFA205288	PSY106273	63%	100%	82.3%
EFA205288	SPA104323	53%	100%	94.6%
EFA205288	STY101785	63%	100%	99.0%
EFA205288	SAU802251	86%	100%	100%
EFA205288	SEP200282	87%	100%	100%
EFA205288	SHA102423	84%	100%	100%
EFA205288	SMU100612	87%	100%	100%
EFA205288	SPN400187	87%	100%	100%
EFA205288	SPY200036	85%	100%	100%
EFA205288	TPA100186	50%	99.0%	99.0%
EFA205288	UUR100232	50%	97.1%	98.0%
EFA205288	VCH102560	61%	100%	99.0%
EFA205288	YPS005092	63%	100%	99.0%
KPN103883	KPN103883	100%	100%	100%
KPN103883	LPN101995	40%	84.9%	36.6%
KPN103883	NGO102594	30%	91.6%	60.8%
KPN103883	PAE107208	51%	84.9%	98.1%
KPN103883	SPA101733	88%	100%	47.6%
KPN108099	ABA105528	71%	71.6%	100%
KPN108099	ABA106151	74%	75.5%	100%
KPN108099	ABA105551	82%	100%	91.1%
KPN108099	ABA101831	82%	100%	83.6%
KPN108099	BAN100346	68%	71.6%	76.0%
KPN108099	BAN105253	73%	100%	83.6%
KPN108099	BAN105419	73%	100%	83.6%
KPN108099	BAN101836	73%	100%	85%
KPN108099	BAN103430	73%	100%	83.6%
KPN108099	BAN100749	73%	100%	83.6%
KPN108099	BAN106478	73%	100%	83.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN108099	BAN104535	73%	100%	83.6%
KPN108099	BAN100304	73%	100%	83.6%
KPN108099	BAN103157	73%	100%	83.6%
KPN108099	BAN106892	73%	100%	83.6%
KPN108099	BAN112264	73%	100%	83.6%
KPN108099	BAN103959	73%	100%	83.6%
KPN108099	BFR105579	69%	100%	83.6%
KPN108099	BFR103235	69%	100%	83.6%
KPN108099	BPT103416	95%	21.6%	14.3%
KPN108099	BPT104523	95%	21.6%	14.3%
KPN108099	BPT103989	95%	21.6%	14.3%
KPN108099	BCE109830	77%	48.0%	71.0%
KPN108099	BCE110368	76%	61.8%	100%
KPN108099	BCE114555	80%	100%	88.7%
KPN108099	BCE115125	82%	100%	83.6%
KPN108099	BMA101414	80%	100%	83.6%
KPN108099	CTR200114	72%	100%	83.6%
KPN108099	CBO100841	69%	70.6%	100%
KPN108099	CBO103821	70%	100%	98.1%
KPN108099	CBO102961	70%	100%	91.1%
KPN108099	CBO100139	70%	100%	83.6%
KPN108099	CBO102075	70%	100%	83.6%
KPN108099	CBO101355	70%	100%	83.6%
KPN108099	CBO102777	70%	100%	83.6%
KPN108099	CDF100014	71%	94.1%	100%
KPN108099	CDF102596	68%	100%	83.6%
KPN108099	CDF100358	71%	100%	83.6%
KPN108099	CDF102023	71%	100%	83.6%
KPN108099	CDF101174	72%	100%	83.6%
KPN108099	CDF100271	71%	100%	83.6%
KPN108099	CDF102190	71%	100%	83.6%
KPN108099	CDF100009	71%	100%	83.6%
KPN108099	CDF101049	71%	100%	83.6%
KPN108099	CDF100125	72%	100%	83.6%
KPN108099	CDP100750	64%	100%	83.6%
KPN108099	CDP100008	64%	100%	83.6%
KPN108099	CDP101025	64%	100%	83.6%
KPN108099	CDP101470	64%	100%	83.6%
KPN108099	CDP101508	64%	100%	83.6%
KPN108099	EBC104695	98%	49.0%	100%
KPN108099	EBC104708	98%	100%	83.6%
KPN108099	EFA203112	67%	100%	83.6%
KPN108099	EFA201542	67%	100%	83.6%
KPN108099	EFA203085	67%	100%	83.6%
KPN108099	EFA202786	67%	100%	83.6%
KPN108099	EFM102382	67%	100%	83.6%
KPN108099	KPN300969	93%	94.1%	100%
KPN108099	KPN301056	100%	77.5%	100%
KPN108099	KPN300847	96%	94.1%	100%
KPN108099	KPN302967	99%	100%	83.6%
KPN108099	LPN102481	88%	100%	83.6%
KPN108099	MCA102101	83%	100%	83.6%
KPN108099	MBV100203	62%	100%	83.6%
KPN108099	NGO100484	80%	100%	83.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN108099	NGO101737	82%	100%	47.2%
KPN108099	NGO100413	82%	100%	47.2%
KPN108099	NGO101926	82%	100%	47.2%
KPN108099	NME103001	84%	100%	83.6%
KPN108099	PRT103668	91%	85.3%	100%
KPN108099	PRT103667	92%	100%	87.9%
KPN108099	PRT103665	92%	100%	83.6%
KPN108099	PAE107214	86%	100%	83.6%
KPN108099	PPU102385	87%	100%	83.6%
KPN108099	PPU100406	87%	100%	83.6%
KPN108099	PPU101099	87%	100%	83.6%
KPN108099	PPU106991	87%	100%	83.6%
KPN108099	PPU112044	87%	100%	83.6%
KPN108099	PPU109454	87%	100%	83.6%
KPN108099	PPU109508	87%	100%	83.6%
KPN108099	PSY106628	84%	80.4%	100%
KPN108099	PSY106991	86%	100%	83.6%
KPN108099	PSY107666	86%	100%	83.6%
KPN108099	PSY101542	86%	100%	83.6%
KPN108099	SPA101643	98%	86.3%	100%
KPN108099	SPA103885	97%	100%	83.6%
KPN108099	SPA103853	98%	100%	83.6%
KPN108099	SAU302874	72%	100%	83.6%
KPN108099	SAU302816	72%	100%	83.6%
KPN108099	SAU302683	69%	71.6%	62.4%
KPN108099	SAU302807	72%	100%	83.6%
KPN108099	SAU301432	72%	100%	83.6%
KPN108099	SAU302626	72%	100%	83.6%
KPN108099	SEP201860	72%	100%	83.6%
KPN108099	SEP200476	72%	100%	83.6%
KPN108099	SEP201305	72%	100%	83.6%
KPN108099	SEP201812	72%	100%	83.6%
KPN108099	SEP201970	72%	100%	83.6%
KPN108099	SEP201855	72%	100%	83.6%
KPN108099	SHA102684	65%	53.9%	100%
KPN108099	SHA102720	72%	100%	83.6%
KPN108099	SMU101912	69%	100%	83.6%
KPN108099	SMU100576	69%	100%	83.6%
KPN108099	SMU101953	69%	100%	83.6%
KPN108099	SMU101883	69%	100%	83.6%
KPN108099	SMU101949	69%	100%	83.6%
KPN108099	SPN103672	68%	64.7%	100%
KPN108099	SPN102832	70%	100%	83.6%
KPN108099	SPY102630	71%	100%	83.6%
KPN200073	ABA102170	58%	43.3%	100%
KPN200073	ABA105805	52%	94.5%	93.9%
KPN200073	BAN100016	42%	97.4%	98.5%
KPN200073	BAN107827	44%	98.5%	98.3%
KPN200073	BAN106148	51%	99.6%	97.3%
KPN200073	BAN111654	51%	98.5%	97.0%
KPN200073	CDF100725	23%	87.2%	89.8%
KPN200073	CDF104332	24%	86.6%	87.5%
KPN200073	EBC102707	92%	99.1%	97.9%
KPN200073	ECO100252	92%	99.1%	97.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN200073	HPY101000	41%	97.7%	89.4%
KPN200073	KPN300127	100%	20.3%	100%
KPN200073	KPN304917	100%	100%	100%
KPN200073	LPN101924	34%	91.7%	88.7%
KPN200073	PAE204976	48%	97.9%	96.8%
KPN200073	PPU109706	57%	97.0%	95.2%
KPN200073	SMU100962	54%	96.6%	98.7%
KPN200459	ABA100405	36%	97.7%	97.0%
KPN200459	BCE101176	44%	97.7%	89.5%
KPN200459	BCE115062	45%	98.7%	95.9%
KPN200459	BFU107135	46%	97.3%	94.5%
KPN200459	BMA104937	45%	98.7%	95.2%
KPN200459	CDF103274	24%	65.4%	39.1%
KPN200459	EBC100664	71%	90.6%	99.6%
KPN200459	EFA202080	22%	71.5%	59.3%
KPN200459	ECO101614	64%	99.3%	94.3%
KPN200459	KPN301023	99%	100%	100%
KPN200459	PAE202428	43%	97.0%	91.0%
KPN200459	PPU109972	42%	96.3%	94.8%
KPN200459	PSY101352	56%	13.1%	88.6%
KPN200459	PSY101350	47%	98.7%	97.6%
KPN200459	SPA102318	68%	99.3%	85.5%
KPN200459	STY100593	68%	99.3%	97.6%
KPN200460	EBC100663	76%	92.3%	92.3%
KPN200460	ECO101613	76%	100%	100%
KPN200460	KPN301024	98%	100%	100%
KPN200460	PAE201229	36%	64.1%	76.9%
KPN200460	SPA102319	73%	100%	97.5%
KPN200460	STY100591	73%	100%	100%
KPN201086	ABA103925	53%	99.2%	99.8%
KPN201086	BAN104708	35%	67.6%	94.9%
KPN201086	BAN102313	37%	69.2%	92.9%
KPN201086	BFR10840	30%	67.8%	89.5%
KPN201086	BPT100246	51%	99.8%	100%
KPN201086	BBU100799	27%	78.5%	79.5%
KPN201086	BCE107342	50%	99.2%	99.8%
KPN201086	BFU100866	50%	99.2%	99.8%
KPN201086	BMA107734	51%	99.2%	99.8%
KPN201086	CJU100425	28%	69.2%	94.2%
KPN201086	CPN200435	30%	95.1%	99.8%
KPN201086	CTR200366	30%	92.5%	98.6%
KPN201086	CAC100279	36%	71.3%	99.7%
KPN201086	CBO102108	36%	72.1%	77.7%
KPN201086	CDF102471	36%	77.3%	98.4%
KPN201086	CDP100481	30%	68.2%	98.5%
KPN201086	EBC101239	94%	99.2%	100%
KPN201086	EFA200624	35%	78.9%	100%
KPN201086	EFM201833	37%	75.1%	96.7%
KPN201086	ECO103101	95%	100%	100%
KPN201086	HIN101251	72%	99.8%	100%
KPN201086	HPY101493	26%	70.6%	95.2%
KPN201086	KPN300994	99%	100%	100%
KPN201086	LPN100039	60%	99.2%	99.8%
KPN201086	LMO100131	39%	68.2%	90.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN201086	MCA100801	47%	99.2%	99.8%
KPN201086	MAV103287	29%	38.3%	94.6%
KPN201086	MBV103220	35%	67.2%	91.9%
KPN201086	MLP100955	33%	70.6%	96.8%
KPN201086	MTU202803	35%	67.2%	91.9%
KPN201086	MGE100143	28%	71.3%	67.6%
KPN201086	MPN100677	27%	70.0%	65.4%
KPN201086	NGO101492	47%	99.0%	99.8%
KPN201086	NME201747	47%	99.8%	98.8%
KPN201086	PMU100760	74%	99.6%	100%
KPN201086	PRT102427	85%	100%	100%
KPN201086	PAE204741	64%	99.2%	99.8%
KPN201086	PPU108490	63%	89.9%	99.8%
KPN201086	PSY104834	63%	99.2%	99.8%
KPN201086	SPA101734	88%	100%	100%
KPN201086	STY101474	93%	100%	100%
KPN201086	SAU801266	38%	69.0%	87.2%
KPN201086	SEP201559	37%	77.5%	94.8%
KPN201086	SHA101153	40%	69.0%	90.2%
KPN201086	SMU100777	34%	69.6%	90.4%
KPN201086	SPN400478	32%	70.6%	96.3%
KPN201086	SPY201324	33%	70.6%	95.3%
KPN201086	TPA100882	29%	84.2%	88.5%
KPN201086	UUR100320	28%	66.2%	77.1%
KPN201086	VCH100630	78%	100%	100%
KPN201086	YPS001052	89%	100%	100%
KPN201087	ABA104593	50%	99.9%	100%
KPN201087	BAN113310	36%	74.9%	97.4%
KPN201087	BAN110029	48%	76.3%	99.4%
KPN201087	BFR11714	42%	91.1%	85.4%
KPN201087	BPT100248	49%	91.9%	99.3%
KPN201087	BBU100800	43%	73.8%	73.4%
KPN201087	BCE101969	54%	86.3%	100%
KPN201087	BFU100867	49%	99.9%	100%
KPN201087	BMA109716	50%	99.3%	100%
KPN201087	CJU100125	41%	91.1%	93.1%
KPN201087	CPN200434	35%	90.6%	93.8%
KPN201087	CTR200365	32%	97.4%	96.7%
KPN201087	CAC100425	53%	64.5%	84.4%
KPN201087	CBO103185	48%	74.0%	94.1%
KPN201087	CDF102888	53%	64.7%	90.6%
KPN201087	CDP100479	50%	63.8%	96.5%
KPN201087	EBC101431	94%	96.0%	99.9%
KPN201087	EFA200621	44%	80.2%	92.5%
KPN201087	EFM201052	45%	81.1%	98.2%
KPN201087	ECO103100	93%	99.9%	99.9%
KPN201087	HIN101252	69%	93.8%	99.0%
KPN201087	HPY101031	37%	95.8%	88.6%
KPN201087	KPN301426	99%	15.0%	29.0%
KPN201087	LPN102343	71%	48.7%	100%
KPN201087	LMO100282	45%	86.5%	99.4%
KPN201087	MCA100802	50%	92.9%	98.3%
KPN201087	MAV100286	48%	64.3%	97.5%
KPN201087	MBV104310	49%	48.5%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN201087	MLP100953	44%	71.7%	71.9%
KPN201087	MTU202801	44%	71.7%	73%
KPN201087	MGE100144	42%	63.2%	91.4%
KPN201087	MPN100676	41%	66.5%	96.6%
KPN201087	NGO101494	51%	89.2%	99.9%
KPN201087	NME201748	47%	99.9%	100%
KPN201087	PMU100759	70%	17.2%	26.7%
KPN201087	PRT102425	77%	100%	100%
KPN201087	PAE204740	57%	99.9%	100%
KPN201087	PPU108488	56%	99.9%	100%
KPN201087	PSY104832	68%	61.8%	100%
KPN201087	SPA101256	92%	51.7%	100%
KPN201087	STY101473	94%	99.9%	99.9%
KPN201087	SAU801269	48%	78.2%	99.9%
KPN201087	SEP201562	47%	81.1%	99.7%
KPN201087	SHA100514	46%	78.8%	99.4%
KPN201087	SMU100784	38%	94.1%	96.6%
KPN201087	SPN400481	40%	93.5%	93.3%
KPN201087	SPY201321	39%	95.5%	85.6%
KPN201087	TPA100881	47%	71.8%	80.8%
KPN201087	UUR100322	44%	64.1%	93.3%
KPN201087	VCH100631	71%	100%	100%
KPN201087	YPS001051	82%	99.9%	99.9%
KPN201549	ABA105528	71%	59.8%	100%
KPN201549	ABA106151	74%	63.1%	100%
KPN201549	ABA105551	84%	91.8%	100%
KPN201549	ABA101831	85%	100%	100%
KPN201549	BAN100346	69%	76.2%	96.9%
KPN201549	BAN101836	75%	98.4%	100%
KPN201549	BAN105253	76%	100%	100%
KPN201549	BAN103157	76%	100%	100%
KPN201549	BAN103430	76%	100%	100%
KPN201549	BAN100749	76%	100%	100%
KPN201549	BAN106478	76%	100%	100%
KPN201549	BAN104535	76%	100%	100%
KPN201549	BAN100304	76%	100%	100%
KPN201549	BAN103959	76%	100%	100%
KPN201549	BAN106892	76%	100%	100%
KPN201549	BAN112264	76%	100%	100%
KPN201549	BAN105419	76%	100%	100%
KPN201549	BFR105579	72%	100%	100%
KPN201549	BFR103235	72%	100%	100%
KPN201549	BPT103416	100%	34.4%	27.3%
KPN201549	BPT104523	100%	34.4%	27.3%
KPN201549	BPT103989	100%	34.4%	27.3%
KPN201549	BCE110368	76%	51.6%	100%
KPN201549	BCE109830	82%	55.7%	98.6%
KPN201549	BCE114555	80%	94.3%	100%
KPN201549	BCE115125	85%	100%	100%
KPN201549	BMA101414	83%	100%	100%
KPN201549	CTR200114	72%	100%	100%
KPN201549	CBO100841	69%	59.0%	100%
KPN201549	CBO103821	72%	85.2%	100%
KPN201549	CBO102961	72%	91.8%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN201549	CBO102777	72%	100%	100%
KPN201549	CBO100139	72%	100%	100%
KPN201549	CBO102075	72%	100%	100%
KPN201549	CBO101355	72%	100%	100%
KPN201549	CDF100014	71%	78.7%	100%
KPN201549	CDF102596	70%	100%	100%
KPN201549	CDF100358	74%	100%	100%
KPN201549	CDF102023	74%	100%	100%
KPN201549	CDF101174	75%	100%	100%
KPN201549	CDF100271	74%	100%	100%
KPN201549	CDF102190	74%	100%	100%
KPN201549	CDF100009	74%	100%	100%
KPN201549	CDF101049	74%	100%	100%
KPN201549	CDF100125	75%	100%	100%
KPN201549	CDP100750	66%	100%	100%
KPN201549	CDP100008	66%	100%	100%
KPN201549	CDP101025	66%	100%	100%
KPN201549	CDP101470	66%	100%	100%
KPN201549	CDP101508	66%	100%	100%
KPN201549	EBC104695	98%	41.0%	100%
KPN201549	EBC104708	99%	100%	100%
KPN201549	EFA203112	71%	100%	100%
KPN201549	EFA201542	71%	100%	100%
KPN201549	EFA203085	71%	100%	100%
KPN201549	EFA202786	71%	100%	100%
KPN201549	EFM102382	71%	100%	100%
KPN201549	KPN300847	96%	78.7%	100%
KPN201549	KPN300969	93%	78.7%	100%
KPN201549	KPN301056	100%	64.8%	100%
KPN201549	KPN302967	100%	100%	100%
KPN201549	LPN102481	90%	100%	100%
KPN201549	MCA102101	86%	100%	100%
KPN201549	MBV100203	66%	100%	100%
KPN201549	NGO100484	82%	100%	100%
KPN201549	NGO101737	85%	100%	56.5%
KPN201549	NGO100413	85%	100%	56.5%
KPN201549	NGO101926	85%	100%	56.5%
KPN201549	NME103001	86%	100%	100%
KPN201549	PRT103668	91%	71.3%	100%
KPN201549	PRT103667	92%	95.1%	100%
KPN201549	PRT103665	94%	100%	100%
KPN201549	PAE107214	88%	100%	100%
KPN201549	PPU102385	89%	100%	100%
KPN201549	PPU100406	89%	100%	100%
KPN201549	PPU101099	89%	100%	100%
KPN201549	PPU106991	89%	100%	100%
KPN201549	PPU112044	89%	100%	100%
KPN201549	PPU109454	89%	100%	100%
KPN201549	PPU109508	89%	100%	100%
KPN201549	PSY106628	84%	67.2%	100%
KPN201549	PSY106991	88%	100%	100%
KPN201549	PSY107666	88%	100%	100%
KPN201549	PSY101542	88%	100%	100%
KPN201549	SPA101643	98%	72.1%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN201549	SPA103885	98%	100%	100%
KPN201549	SPA103853	99%	100%	100%
KPN201549	SAU302874	75%	100%	100%
KPN201549	SAU302816	75%	100%	100%
KPN201549	SAU302683	69%	59.8%	62.4%
KPN201549	SAU302807	75%	100%	100%
KPN201549	SAU301432	75%	100%	100%
KPN201549	SAU302626	75%	100%	100%
KPN201549	SEP201860	75%	100%	100%
KPN201549	SEP200476	75%	100%	100%
KPN201549	SEP201305	75%	100%	100%
KPN201549	SEP201812	75%	100%	100%
KPN201549	SEP201970	75%	100%	100%
KPN201549	SEP201855	75%	100%	100%
KPN201549	SHA102684	65%	45.1%	100%
KPN201549	SHA102720	75%	100%	100%
KPN201549	SMU101912	72%	100%	100%
KPN201549	SMU100576	72%	100%	100%
KPN201549	SMU101953	72%	100%	100%
KPN201549	SMU101883	72%	100%	100%
KPN201549	SMU101949	72%	100%	100%
KPN201549	SPN103672	68%	54.1%	100%
KPN201549	SPN102832	73%	100%	100%
KPN201549	SPY102630	74%	100%	100%
KPN201990	ABA101037	47%	98.5%	95.0%
KPN201990	BAN110655	30%	86.1%	87.1%
KPN201990	BAN109519	31%	86.1%	86.0%
KPN201990	BPT102754	25%	71.4%	76.8%
KPN201990	BCE107805	24%	78.5%	86.7%
KPN201990	BFU111761	25%	78.8%	87.0%
KPN201990	BMA100169	24%	78.5%	86.7%
KPN201990	CPN200483	24%	53.1%	54.5%
KPN201990	CTR200408	28%	51.9%	54.9%
KPN201990	CBO101374	32%	77.6%	76.1%
KPN201990	CDF104179	28%	88.8%	83.3%
KPN201990	CDF100985	30%	89.1%	90.4%
KPN201990	KPN303124	99%	100%	89.7%
KPN201990	LMO100346	32%	76.7%	81.8%
KPN201990	PAE205391	24%	78.5%	86.2%
KPN201990	PPU107507	24%	78.5%	86.2%
KPN201990	PSY103787	26%	76.1%	81.8%
KPN203025	BAN101606	24%	26.5%	27.8%
KPN203025	BAN106218	28%	38.9%	39.2%
KPN203025	BCE109617	29%	90.2%	92.1%
KPN203025	BFU109459	29%	94.6%	95.9%
KPN203025	BMA106949	29%	96.7%	98.6%
KPN203025	EBC101952	77%	90.4%	96.0%
KPN203025	KPN304247	99%	90.9%	95.8%
KPN203025	MAV105607	39%	96.5%	94.8%
KPN203025	MBV101047	35%	89.5%	92.1%
KPN203025	MTU202420	35%	89.5%	92.1%
KPN203025	PSY105004	37%	84.1%	92.6%
KPN203025	SPA102134	22%	81.3%	72.4%
KPN203025	STY100889	22%	81.3%	77.0%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203084	ABA105739	60%	93.6%	98.8%
KPN203084	BAN112576	33%	91.9%	98.1%
KPN203084	BAN101552	40%	92.5%	94.1%
KPN203084	BFR103117	28%	87.9%	82.3%
KPN203084	BPT102556	57%	94.2%	99.4%
KPN203084	BCE113712	58%	96.5%	94.9%
KPN203084	BFU106342	58%	94.2%	99.4%
KPN203084	BMA102494	58%	94.2%	99.4%
KPN203084	CJU100536	38%	88.4%	96.8%
KPN203084	CAC102771	43%	89.6%	93.9%
KPN203084	CDP100199	37%	93.1%	92.0%
KPN203084	EBC101943	90%	94.2%	100%
KPN203084	ECO100078	95%	94.2%	100%
KPN203084	HIN101551	67%	92.5%	98.2%
KPN203084	KPN301558	100%	100%	100%
KPN203084	LMO101469	42%	93.6%	99.4%
KPN203084	MCA100917	56%	94.2%	91.7%
KPN203084	MAV101430	44%	90.2%	92.3%
KPN203084	MBV101315	44%	90.2%	92.3%
KPN203084	MLP101037	43%	90.2%	91.7%
KPN203084	MTU202964	44%	90.2%	92.3%
KPN203084	NGO101348	58%	94.2%	99.4%
KPN203084	NME201624	58%	94.2%	99.4%
KPN203084	PMU100869	66%	92.5%	98.2%
KPN203084	PAE204691	66%	93.6%	98.8%
KPN203084	PPU100092	64%	93.6%	98.8%
KPN203084	PSY104460	64%	93.6%	98.8%
KPN203084	SPA102565	95%	50.3%	100%
KPN203084	STY103145	95%	94.8%	100%
KPN203084	STM102857	96%	94.2%	100%
KPN203084	SAU802055	31%	42.2%	88.1%
KPN203084	SHA102434	32%	45.1%	98.8%
KPN203084	SMU101466	39%	90.8%	98.1%
KPN203084	SPN400402	40%	90.8%	94.6%
KPN203084	VCH102446	65%	94.2%	99.4%
KPN203084	YPS000965	86%	93.6%	98.8%
KPN203146	BAN110986	48%	34.1%	94.5%
KPN203146	BAN113122	41%	50.4%	99.4%
KPN203146	BAN106514	38%	0.8%	37.4%
KPN203146	BFR100918	29%	91.6%	76.9%
KPN203146	CDF101629	45%	95.4%	97.4%
KPN203146	CDP101416	67%	99.3%	98.7%
KPN203146	EBC101483	80%	79.1%	97.4%
KPN203146	EFA201342	48%	97.8%	98.7%
KPN203146	EFM202157	49%	97.8%	98.7%
KPN203146	ECO102620	81%	100%	100%
KPN203146	KPN300330	100%	16.7%	95.2%
KPN203146	KPN304450	98%	100%	100%
KPN203146	LMO100307	30%	90.9%	84.0%
KPN203146	MAV103568	69%	99.7%	99.6%
KPN203146	MBV105903	71%	98.2%	96.6%
KPN203146	MLP101067	69%	97.2%	100%
KPN203146	MTU203011	70%	97.2%	100%
KPN203146	MGE100236	52%	97.2%	95.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203146	MPN100512	54%	95.5%	94.2%
KPN203146	PRT102697	70%	98.3%	99.0%
KPN203146	SPA100936	71%	61.5%	100%
KPN203146	STY102722	79%	100%	100%
KPN203146	STM103199	80%	100%	100%
KPN203146	SAU800731	40%	97.6%	95.8%
KPN203146	SEP201122	32%	12.5%	98.9%
KPN203146	SEP200797	41%	97.6%	98.1%
KPN203146	SHA100609	41%	88.9%	95.7%
KPN203146	SMU100850	48%	97.8%	98.7%
KPN203146	SPN401065	48%	98.3%	98.9%
KPN203146	SPY200304	54%	95.5%	94.1%
KPN203146	YPS001322	70%	97.2%	100%
KPN203246	ABA101867	65%	98.7%	76.4%
KPN203246	BAN100493	78%	4.2%	12.1%
KPN203246	BAN105594	29%	27.7%	100%
KPN203246	BAN103472	45%	61.2%	99.3%
KPN203246	BAN107108	55%	98.7%	76.7%
KPN203246	BFR10905	35%	97.2%	74.6%
KPN203246	BFR101559	53%	98.7%	76.1%
KPN203246	BPT101928	64%	98.7%	76.8%
KPN203246	BCE104127	60%	6.7%	83.3%
KPN203246	BCE108256	67%	98.7%	76.8%
KPN203246	BFU101142	68%	97.3%	98.9%
KPN203246	BMA104295	66%	98.7%	76.8%
KPN203246	CJU100472	48%	98.2%	76.5%
KPN203246	CPN200617	50%	98.4%	75.5%
KPN203246	CAC100315	52%	98.7%	76.8%
KPN203246	CBO100316	52%	98.7%	76.8%
KPN203246	CDF100817	53%	98.7%	77.0%
KPN203246	CDP101419	57%	97.8%	76.9%
KPN203246	EBC100668	95%	54.4%	64.8%
KPN203246	EFA200871	55%	98.7%	76.2%
KPN203246	EFM202090	55%	98.7%	76.1%
KPN203246	ECO102539	95%	98.7%	76.8%
KPN203246	HIN100839	78%	98.7%	76.9%
KPN203246	HPY100260	48%	98.2%	76.4%
KPN203246	KPN301209	99%	98.7%	76.8%
KPN203246	LPN102913	75%	98.7%	78.0%
KPN203246	LMO101394	54%	98.7%	76.7%
KPN203246	MCA100931	62%	98.7%	74.0%
KPN203246	MAV101212	56%	97.8%	75.4%
KPN203246	MBV100178	56%	97.6%	80.7%
KPN203246	MLP101480	55%	97.8%	77.1%
KPN203246	MTU200383	56%	97.6%	77.0%
KPN203246	NGO100439	65%	98.7%	77.1%
KPN203246	NME201542	65%	98.7%	77.1%
KPN203246	PMU101704	78%	98.7%	76.8%
KPN203246	PRT105204	85%	98.7%	76.7%
KPN203246	PAE204540	71%	98.7%	77.0%
KPN203246	PPU108177	70%	98.7%	77.0%
KPN203246	PSY100953	70%	93.6%	76.1%
KPN203246	SPA106334	94%	51.1%	100%
KPN203246	STY102189	96%	98.7%	76.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203246	SAU800975	52%	98.7%	76.2%
KPN203246	SEP200200	53%	98.7%	76.2%
KPN203246	SHA100227	57%	85.3%	70.2%
KPN203246	SPY100446	46%	71.1%	76.1%
KPN203246	TPA100070	54%	98.7%	75.4%
KPN203246	VCH100698	77%	98.7%	76.8%
KPN203246	YPS002837	88%	98.7%	76.8%
KPN203310	BFU111646	37%	83.2%	84.6%
KPN203310	BFU103630	38%	92%	91.3%
KPN203310	EBC102431	75%	96.8%	93.8%
KPN203310	KPN304901	100%	100%	100%
KPN203310	PRT103773	42%	86.8%	88.6%
KPN203310	PAE202201	43%	89.6%	93.7%
KPN203310	PSY105400	34%	92%	96.5%
KPN203310	YPS003510	42%	88%	89.0%
KPN203487	ABA106040	46%	95.8%	96.9%
KPN203487	BCE101393	47%	95.8%	91.6%
KPN203487	CBO103956	26%	87.9%	88.6%
KPN203487	CDF102345	24%	58.4%	66.5%
KPN203487	KPN304430	98%	94.2%	97.8%
KPN203487	PSY102504	43%	96.8%	96.9%
KPN203534	EBC104008	94%	33.8%	94.7%
KPN203534	ECO102108	93%	100%	100%
KPN203534	HIN100803	74%	100%	100%
KPN203534	KPN302668	99%	98.0%	100%
KPN203534	PMU101039	75%	100%	100%
KPN203534	SPA103481	93%	98.0%	100%
KPN203534	TPA100677	51%	97.6%	99.4%
KPN203534	VCH101307	77%	98.0%	96.5%
KPN203534	YPS002281	88%	100%	100%
KPN203895	ABA100375	67%	100%	99.7%
KPN203895	BAN102615	49%	92%	89.8%
KPN203895	BAN113204	55%	95.7%	94.5%
KPN203895	BFR11926	47%	95.2%	96.8%
KPN203895	BPT100982	66%	98.4%	98.9%
KPN203895	BBU100808	38%	94.1%	94.7%
KPN203895	BCE109231	64%	98.4%	94.7%
KPN203895	BFU102660	63%	97.9%	93.9%
KPN203895	BMA101185	67%	98.4%	94.2%
KPN203895	CJU100938	41%	97.9%	100%
KPN203895	CPN200536	34%	93.1%	98.1%
KPN203895	CTR200458	33%	94.4%	99.5%
KPN203895	CAC102531	48%	92.8%	94.7%
KPN203895	CBO102700	48%	92.8%	94.7%
KPN203895	CDF100795	57%	97.6%	96.8%
KPN203895	CDP101532	38%	97.1%	93.5%
KPN203895	EBC102650	98%	100%	100%
KPN203895	EFA200390	53%	94.7%	92.9%
KPN203895	EFM201771	52%	94.7%	92.9%
KPN203895	ECO100398	97%	100%	100%
KPN203895	HIN100233	81%	99.7%	99.0%
KPN203895	HPY100277	45%	97.1%	98.4%
KPN203895	KPN303442	100%	100%	100%
KPN203895	LPN100896	41%	82.4%	99.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203895	LMO100999	55%	98.7%	97.9%
KPN203895	MCA103114	62%	99.5%	99.7%
KPN203895	NGO101847	60%	98.4%	99.5%
KPN203895	NME200853	60%	97.9%	98.9%
KPN203895	PMU100229	82%	99.2%	97.7%
KPN203895	PRT100799	89%	99.5%	98.2%
KPN203895	PAE203820	71%	99.5%	99.7%
KPN203895	PPU101526	69%	99.5%	100%
KPN203895	PSY103820	70%	99.2%	99.7%
KPN203895	SPA103217	97%	100%	100%
KPN203895	STY100394	98%	100%	100%
KPN203895	STM100065	98%	100%	100%
KPN203895	SAU801639	57%	95.5%	94.2%
KPN203895	SEP201595	55%	95.5%	94.2%
KPN203895	SHA101470	57%	63.5%	93.7%
KPN203895	SMU100613	50%	94.7%	93.2%
KPN203895	SPN401866	50%	94.7%	93.2%
KPN203895	SPY200153	52%	94.7%	93.2%
KPN203895	VCH100728	82%	100%	98.9%
KPN203895	YPS002550	90%	99.7%	100%
KPN203896	ABA100377	56%	96.9%	98.6%
KPN203896	BAN110462	48%	96.9%	100%
KPN203896	BAN105206	49%	96.9%	97.4%
KPN203896	BFR101067	39%	96.9%	99.1%
KPN203896	BPT100983	55%	96.9%	97.4%
KPN203896	BBU100021	28%	61.3%	98.6%
KPN203896	BCE109754	59%	26.8%	90.7%
KPN203896	BFU102661	52%	97.2%	98.6%
KPN203896	BMA105286	51%	98.6%	97.5%
KPN203896	CJU100538	38%	96.3%	98.0%
KPN203896	CAC102220	47%	96.9%	99.7%
KPN203896	CBO103873	50%	96.9%	98.8%
KPN203896	CDF100218	50%	96.9%	99.7%
KPN203896	EBC102649	90%	99.7%	99.2%
KPN203896	EFA200438	49%	95.8%	97.4%
KPN203896	EFM101932	42%	42.1%	91.5%
KPN203896	ECO100397	93%	99.7%	99.2%
KPN203896	HIN100234	69%	97.7%	98.1%
KPN203896	HPY101045	36%	95.5%	97.4%
KPN203896	KPN303445	95%	35.0%	100%
KPN203896	KPN304932	100%	100%	100%
KPN203896	LPN100464	54%	96.9%	99.7%
KPN203896	LMO101436	49%	96.9%	99.7%
KPN203896	MCA100738	48%	96.3%	96.4%
KPN203896	MLP101376	35%	21.2%	22.7%
KPN203896	NGO101626	56%	97.7%	98.6%
KPN203896	NME200555	57%	97.7%	98.6%
KPN203896	PMU100232	67%	98.0%	98.3%
KPN203896	PRT102078	84%	99.7%	98.9%
KPN203896	PAE203821	70%	98.0%	98.0%
KPN203896	PPU101525	70%	98.0%	97.4%
KPN203896	PSY103819	70%	98.0%	96.0%
KPN203896	SPA103215	89%	64.7%	99.1%
KPN203896	STY100393	92%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203896	STM100064	92%	100%	100%
KPN203896	SAU801640	45%	96.9%	99.7%
KPN203896	SEP201597	47%	96.9%	99.7%
KPN203896	SHA100644	46%	96.9%	99.7%
KPN203896	SMU100783	47%	96.9%	99.7%
KPN203896	SPN401272	46%	96.9%	98.6%
KPN203896	SPY201071	47%	96.9%	99.7%
KPN203896	VCH100726	71%	96.9%	98.0%
KPN203896	YPS002552	82%	99.7%	99.2%
KPN203973	ABA105528	71%	59.8%	100%
KPN203973	ABA106151	74%	63.1%	100%
KPN203973	ABA105551	84%	91.8%	100%
KPN203973	ABA101831	85%	100%	100%
KPN203973	BAN100346	69%	76.2%	96.9%
KPN203973	BAN101836	75%	98.4%	100%
KPN203973	BAN105253	76%	100%	100%
KPN203973	BAN103157	76%	100%	100%
KPN203973	BAN103430	76%	100%	100%
KPN203973	BAN100749	76%	100%	100%
KPN203973	BAN106478	76%	100%	100%
KPN203973	BAN104535	76%	100%	100%
KPN203973	BAN100304	76%	100%	100%
KPN203973	BAN103959	76%	100%	100%
KPN203973	BAN106892	76%	100%	100%
KPN203973	BAN112264	76%	100%	100%
KPN203973	BAN105419	76%	100%	100%
KPN203973	BFR105579	72%	100%	100%
KPN203973	BFR103235	72%	100%	100%
KPN203973	BPT103416	100%	34.4%	27.3%
KPN203973	BPT104523	100%	34.4%	27.3%
KPN203973	BPT103989	100%	34.4%	27.3%
KPN203973	BCE110368	76%	51.6%	100%
KPN203973	BCE109830	82%	55.7%	98.6%
KPN203973	BCE114555	80%	94.3%	100%
KPN203973	BCE115125	85%	100%	100%
KPN203973	BMA101414	83%	100%	100%
KPN203973	CTR200114	72%	100%	100%
KPN203973	CBO100841	69%	59.0%	100%
KPN203973	CBO103821	72%	85.2%	100%
KPN203973	CBO102961	72%	91.8%	100%
KPN203973	CBO102777	72%	100%	100%
KPN203973	CBO100139	72%	100%	100%
KPN203973	CBO102075	72%	100%	100%
KPN203973	CBO101355	72%	100%	100%
KPN203973	CDF100014	71%	78.7%	100%
KPN203973	CDF102596	70%	100%	100%
KPN203973	CDF100358	74%	100%	100%
KPN203973	CDF102023	74%	100%	100%
KPN203973	CDF101174	75%	100%	100%
KPN203973	CDF100271	74%	100%	100%
KPN203973	CDF102190	74%	100%	100%
KPN203973	CDF100009	74%	100%	100%
KPN203973	CDF101049	74%	100%	100%
KPN203973	CDF100125	75%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203973	CDP100750	66%	100%	100%
KPN203973	CDP100008	66%	100%	100%
KPN203973	CDP101025	66%	100%	100%
KPN203973	CDP101470	66%	100%	100%
KPN203973	CDP101508	66%	100%	100%
KPN203973	EBC104695	96%	41.0%	100%
KPN203973	EBC104708	98%	100%	100%
KPN203973	EFA203112	71%	100%	100%
KPN203973	EFA201542	71%	100%	100%
KPN203973	EFA203085	71%	100%	100%
KPN203973	EFA202786	71%	100%	100%
KPN203973	EFM102382	71%	100%	100%
KPN203973	KPN300847	95%	78.7%	100%
KPN203973	KPN300969	92%	78.7%	100%
KPN203973	KPN301056	98%	64.8%	100%
KPN203973	KPN302967	99%	100%	100%
KPN203973	LPN102481	90%	100%	100%
KPN203973	MCA102101	86%	100%	100%
KPN203973	MBV100203	66%	100%	100%
KPN203973	NGO100484	82%	100%	100%
KPN203973	NGO101737	85%	100%	56.5%
KPN203973	NGO100413	85%	100%	56.5%
KPN203973	NGO101926	85%	100%	56.5%
KPN203973	NME103001	86%	100%	100%
KPN203973	PRT103668	90%	71.3%	100%
KPN203973	PRT103667	91%	95.1%	100%
KPN203973	PRT103665	93%	100%	100%
KPN203973	PAE107214	88%	100%	100%
KPN203973	PPU102385	89%	100%	100%
KPN203973	PPU100406	89%	100%	100%
KPN203973	PPU101099	89%	100%	100%
KPN203973	PPU106991	89%	100%	100%
KPN203973	PPU112044	89%	100%	100%
KPN203973	PPU109454	89%	100%	100%
KPN203973	PPU109508	89%	100%	100%
KPN203973	PSY106628	84%	67.2%	100%
KPN203973	PSY106991	88%	100%	100%
KPN203973	PSY107666	88%	100%	100%
KPN203973	PSY101542	88%	100%	100%
KPN203973	SPA101643	98%	72.1%	100%
KPN203973	SPA103885	98%	100%	100%
KPN203973	SPA103853	99%	100%	100%
KPN203973	SAU302874	75%	100%	100%
KPN203973	SAU302816	75%	100%	100%
KPN203973	SAU302683	69%	59.8%	62.4%
KPN203973	SAU302807	75%	100%	100%
KPN203973	SAU301432	75%	100%	100%
KPN203973	SAU302626	75%	100%	100%
KPN203973	SEP201860	75%	100%	100%
KPN203973	SEP200476	75%	100%	100%
KPN203973	SEP201305	75%	100%	100%
KPN203973	SEP201812	75%	100%	100%
KPN203973	SEP201970	75%	100%	100%
KPN203973	SEP201855	75%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203973	SHA102684	65%	45.1%	100%
KPN203973	SHA102720	75%	100%	100%
KPN203973	SMU101912	72%	100%	100%
KPN203973	SMU100576	72%	100%	100%
KPN203973	SMU101953	72%	100%	100%
KPN203973	SMU101883	72%	100%	100%
KPN203973	SMU101949	72%	100%	100%
KPN203973	SPN103672	68%	54.1%	100%
KPN203973	SPN102832	73%	100%	100%
KPN203973	SPY102630	74%	100%	100%
KPN204464	ABA103108	75%	96.3%	95.7%
KPN204464	BCE112521	20%	75.5%	75.5%
KPN204464	BFU107834	43%	96.3%	46.9%
KPN204464	BMA107974	22%	75.5%	86.0%
KPN204464	KPN304132	99%	100%	100%
KPN204464	MCA100338	22%	28.8%	35.3%
KPN204464	MBV105390	59%	94.4%	95.8%
KPN204464	MTU203407	56%	74.6%	95.0%
KPN204464	PSY102309	44%	96.3%	44.1%
KPN204464	SEP100083	20%	51.4%	91.2%
KPN204464	SHA102232	22%	64.7%	91.8%
KPN204465	ABA102567	70%	96.6%	97.1%
KPN204465	BPT100743	71%	95.6%	91.6%
KPN204465	BCE100299	74%	96.1%	91.6%
KPN204465	BFU110334	73%	96.1%	90.8%
KPN204465	BMA101911	73%	96.1%	91.2%
KPN204465	EBC101191	88%	99.0%	100%
KPN204465	ECO205361	90%	100%	100%
KPN204465	ECO201402	90%	100%	100%
KPN204465	HIN100515	60%	98.5%	89.8%
KPN204465	HPY100066	63%	95.6%	98.5%
KPN204465	KPN304128	100%	100%	100%
KPN204465	MBV102011	56%	94.6%	86.6%
KPN204465	MTU201819	56%	94.6%	86.6%
KPN204465	PRT102194	77%	99.0%	99.0%
KPN204465	PAE204888	71%	96.1%	96.6%
KPN204465	PPU110666	87%	99.5%	98.6%
KPN204465	PSY106880	70%	99.0%	98.0%
KPN204465	SAU802293	63%	96.6%	97.1%
KPN204465	SEP200377	61%	96.6%	97.1%
KPN204465	UUR100434	59%	95.6%	95.6%
KPN204465	YPS001381	59%	90.7%	85.9%
KPN204596	BPT102408	28%	73.9%	88.5%
KPN204596	BBU100677	21%	91.5%	91.6%
KPN204596	BCE102728	51%	92.4%	89.6%
KPN204596	CBO102661	26%	71.6%	80.7%
KPN204596	EBC104522	88%	100%	100%
KPN204596	EFA202350	25%	88.9%	84.5%
KPN204596	ECO104120	87%	100%	100%
KPN204596	KPN303796	99%	100%	100%
KPN204596	MCA101148	26%	75.4%	90.6%
KPN204596	MTU202692	26%	66.3%	71.8%
KPN204596	SPY200940	23%	77.1%	79.4%
KPN204596	UUR100012	22%	90.6%	45.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN204596	YPS001711	73%	94.7%	95.6%
KPN206300	ABA100706	35%	99.0%	99.7%
KPN206300	BAN101961	30%	100%	100%
KPN206300	BAN108651	35%	100%	99.0%
KPN206300	BFR100189	33%	95.3%	61.7%
KPN206300	BCE111641	34%	83.5%	99.6%
KPN206300	CDP100349	34%	62.0%	94%
KPN206300	EBC103018	78%	99.7%	99.7%
KPN206300	ECO102262	83%	99.7%	99.7%
KPN206300	HIN101181	42%	99.7%	99.0%
KPN206300	KPN302831	100%	100%	100%
KPN206300	LPN102893	38%	98.7%	98.0%
KPN206300	LMO100025	35%	99.7%	99.7%
KPN206300	MAV101349	40%	99.7%	65.4%
KPN206300	MBV104453	39%	97.6%	95.4%
KPN206300	MLP100520	36%	97.6%	93.8%
KPN206300	MTU202182	39%	97.6%	95.7%
KPN206300	PMU100548	50%	99.7%	99.7%
KPN206300	PRT101600	59%	99.7%	98.7%
KPN206300	PAE204653	51%	99.7%	97.4%
KPN206300	PPU109740	48%	100%	99.3%
KPN206300	PSY102382	56%	16.2%	90.6%
KPN206300	SPA103771	83%	99.7%	99.7%
KPN206300	STY100994	83%	99.7%	99.7%
KPN206300	STM100744	83%	99.7%	99.7%
KPN206300	SAU800769	35%	98.7%	98%
KPN206300	SEP201413	35%	99.3%	98.7%
KPN206300	SHA101576	36%	99.3%	98.7%
KPN206300	YPS002442	65%	99.7%	98.3%
KPN206685	CAC101460	17%	89.3%	94.9%
KPN206685	EBC100447	31%	63.5%	95.3%
KPN206685	ECO101499	33%	86.4%	90.7%
KPN206685	HIN100128	29%	88.1%	92.7%
KPN206685	HPY101168	29%	86.4%	92.3%
KPN206685	KPN302908	34%	85.4%	90.2%
KPN206685	KPN302890	100%	100%	100%
KPN206685	MAV104012	27%	89.7%	93.0%
KPN206685	MBV102693	31%	85.7%	92.6%
KPN206685	MTU200190	31%	89.7%	92.3%
KPN206685	NGO102033	29%	87.4%	99.5%
KPN206685	PMU100949	30%	89.7%	93.6%
KPN206685	PRT105535	29%	87.4%	89.0%
KPN206685	PAE204110	33%	90.0%	94.2%
KPN206685	PPU103772	30%	92.4%	95.7%
KPN206685	PSY104435	30%	88.8%	90.7%
KPN206685	SPA103066	31%	88.8%	93.9%
KPN206685	STY104274	31%	88.8%	93.4%
KPN207255	ABA105528	71%	93.6%	100%
KPN207255	ABA106151	74%	98.7%	100%
KPN207255	ABA105551	78%	100%	69.6%
KPN207255	ABA101831	78%	100%	63.9%
KPN207255	BAN100346	75%	62.8%	51.0%
KPN207255	BAN105253	73%	100%	63.9%
KPN207255	BAN105419	73%	100%	63.9%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN207255	BAN101836	73%	100%	65%
KPN207255	BAN103430	73%	100%	63.9%
KPN207255	BAN100749	73%	100%	63.9%
KPN207255	BAN106478	73%	100%	63.9%
KPN207255	BAN104535	73%	100%	63.9%
KPN207255	BAN100304	73%	100%	63.9%
KPN207255	BAN103157	73%	100%	63.9%
KPN207255	BAN106892	73%	100%	63.9%
KPN207255	BAN112264	73%	100%	63.9%
KPN207255	BAN103959	73%	100%	63.9%
KPN207255	BFR105579	64%	100%	63.9%
KPN207255	BFR103235	64%	100%	63.9%
KPN207255	BCE109830	68%	32.1%	36.2%
KPN207255	BCE110368	76%	80.8%	100%
KPN207255	BCE114555	79%	98.7%	67.0%
KPN207255	BCE115125	78%	100%	63.9%
KPN207255	BMA101414	75%	100%	63.9%
KPN207255	CTR200114	70%	100%	63.9%
KPN207255	CBO100841	69%	92.3%	100%
KPN207255	CBO103821	70%	100%	75%
KPN207255	CBO102961	70%	100%	69.6%
KPN207255	CBO100139	70%	100%	63.9%
KPN207255	CBO102075	70%	100%	63.9%
KPN207255	CBO101355	70%	100%	63.9%
KPN207255	CBO102777	70%	100%	63.9%
KPN207255	CDF102596	66%	100%	63.9%
KPN207255	CDF102023	69%	100%	63.9%
KPN207255	CDF100014	69%	100%	81.2%
KPN207255	CDF100358	69%	100%	63.9%
KPN207255	CDF101174	70%	100%	63.9%
KPN207255	CDF100271	69%	100%	63.9%
KPN207255	CDF102190	69%	100%	63.9%
KPN207255	CDF100009	69%	100%	63.9%
KPN207255	CDF101049	69%	100%	63.9%
KPN207255	CDF100125	70%	100%	63.9%
KPN207255	CDP100750	61%	100%	63.9%
KPN207255	CDP100008	61%	100%	63.9%
KPN207255	CDP101025	61%	100%	63.9%
KPN207255	CDP101470	61%	100%	63.9%
KPN207255	CDP101508	61%	100%	63.9%
KPN207255	EBC104695	98%	64.1%	100%
KPN207255	EBC104708	97%	100%	63.9%
KPN207255	EFA203112	66%	100%	63.9%
KPN207255	EFA201542	66%	100%	63.9%
KPN207255	EFA203085	66%	100%	63.9%
KPN207255	EFA202786	66%	100%	63.9%
KPN207255	EFM102382	66%	100%	63.9%
KPN207255	KPN301056	98%	100%	98.7%
KPN207255	KPN300969	96%	100%	81.2%
KPN207255	KPN300847	98%	100%	81.2%
KPN207255	KPN302967	98%	100%	63.9%
KPN207255	LPN102481	84%	100%	63.9%
KPN207255	MCA102101	79%	100%	63.9%
KPN207255	MBV100203	58%	100%	63.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN207255	NGO100484	75%	100%	63.9%
KPN207255	NGO101737	78%	100%	36.1%
KPN207255	NGO100413	78%	100%	36.1%
KPN207255	NGO101926	78%	100%	36.1%
KPN207255	NME103001	80%	100%	63.9%
KPN207255	PRT103668	89%	100%	89.7%
KPN207255	PRT103665	89%	100%	63.9%
KPN207255	PRT103667	89%	100%	67.2%
KPN207255	PAE107214	82%	100%	63.9%
KPN207255	PPU102385	83%	100%	63.9%
KPN207255	PPU100406	83%	100%	63.9%
KPN207255	PPU101099	83%	100%	63.9%
KPN207255	PPU106991	83%	100%	63.9%
KPN207255	PPU112044	83%	100%	63.9%
KPN207255	PPU109454	83%	100%	63.9%
KPN207255	PPU109508	83%	100%	63.9%
KPN207255	PSY106628	82%	100%	95.1%
KPN207255	PSY107666	82%	100%	63.9%
KPN207255	PSY106991	82%	100%	63.9%
KPN207255	PSY101542	82%	100%	63.9%
KPN207255	SPA103885	96%	100%	63.9%
KPN207255	SPA103853	97%	100%	63.9%
KPN207255	SPA101643	97%	100%	88.6%
KPN207255	SAU302874	70%	100%	63.9%
KPN207255	SAU302816	70%	100%	63.9%
KPN207255	SAU302683	69%	93.6%	62.4%
KPN207255	SAU302807	70%	100%	63.9%
KPN207255	SAU301432	70%	100%	63.9%
KPN207255	SAU302626	70%	100%	63.9%
KPN207255	SEP201860	70%	100%	63.9%
KPN207255	SEP200476	70%	100%	63.9%
KPN207255	SEP201305	70%	100%	63.9%
KPN207255	SEP201812	70%	100%	63.9%
KPN207255	SEP201970	70%	100%	63.9%
KPN207255	SEP201855	70%	100%	63.9%
KPN207255	SHA102684	65%	70.5%	100%
KPN207255	SHA102720	70%	100%	63.9%
KPN207255	SMU101912	67%	100%	63.9%
KPN207255	SMU100576	67%	100%	63.9%
KPN207255	SMU101953	67%	100%	63.9%
KPN207255	SMU101883	67%	100%	63.9%
KPN207255	SMU101949	67%	100%	63.9%
KPN207255	SPN103672	68%	84.6%	100%
KPN207255	SPN102832	69%	100%	63.9%
KPN207255	SPY102630	70%	100%	63.9%
KPN208757	BPT104464	28%	92.4%	92.2%
KPN208757	BCE109471	31%	98.2%	97.8%
KPN208757	BFU113717	27%	97.8%	96.4%
KPN208757	BMA102384	29%	97.8%	97.9%
KPN208757	CJU101563	35%	65.9%	26.7%
KPN208757	EBC100769	88%	100%	99.6%
KPN208757	ECO100991	89%	87.0%	98.8%
KPN208757	KPN300130	45%	79.7%	100%
KPN208757	KPN306701	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN208757	LMO100238	25%	73.6%	42.3%
KPN208757	MAV107152	42%	95.3%	82.1%
KPN208757	NGO101920	50%	98.6%	97.8%
KPN208757	NME200263	51%	99.3%	98.2%
KPN208757	PMU100453	31%	73.9%	32.6%
KPN208757	PRT104094	24%	92.8%	95.0%
KPN208757	PAE205243	27%	73.6%	31.9%
KPN208757	PPU109970	27%	73.6%	31.2%
KPN208757	PSY102797	58%	96.0%	93.3%
KPN208757	SAU800345	23%	73.2%	35.2%
KPN208757	SHA101901	23%	95.7%	42.3%
KPN208757	TPA100962	27%	73.6%	45.8%
KPN208757	YPS001603	75%	100%	97.9%
KPN300969	ABA105528	69%	76.0%	100%
KPN300969	ABA106151	72%	80.2%	100%
KPN300969	ABA105551	77%	100%	85.7%
KPN300969	ABA101831	77%	100%	78.7%
KPN300969	BAN100346	75%	59.4%	59.4%
KPN300969	BAN105253	70%	100%	78.7%
KPN300969	BAN105419	70%	100%	78.7%
KPN300969	BAN101836	70%	100%	80%
KPN300969	BAN103430	70%	100%	78.7%
KPN300969	BAN100749	70%	100%	78.7%
KPN300969	BAN106478	70%	100%	78.7%
KPN300969	BAN104535	70%	100%	78.7%
KPN300969	BAN100304	70%	100%	78.7%
KPN300969	BAN103157	70%	100%	78.7%
KPN300969	BAN106892	70%	100%	78.7%
KPN300969	BAN112264	70%	100%	78.7%
KPN300969	BAN103959	70%	100%	78.7%
KPN300969	BFR105579	65%	100%	78.7%
KPN300969	BFR103235	65%	100%	78.7%
KPN300969	BCE109830	69%	44.8%	62.3%
KPN300969	BCE110368	73%	65.6%	100%
KPN300969	BCE114555	75%	100%	83.5%
KPN300969	BCE115125	76%	100%	78.7%
KPN300969	BMA101414	73%	100%	78.7%
KPN300969	CTR200114	70%	100%	78.7%
KPN300969	CBO100841	69%	75%	100%
KPN300969	CBO103821	68%	100%	92.3%
KPN300969	CBO102961	68%	100%	85.7%
KPN300969	CBO100139	68%	100%	78.7%
KPN300969	CBO102075	68%	100%	78.7%
KPN300969	CBO101355	68%	100%	78.7%
KPN300969	CBO102777	68%	100%	78.7%
KPN300969	CDF102596	66%	100%	78.7%
KPN300969	CDF102023	69%	100%	78.7%
KPN300969	CDF100014	69%	100%	100%
KPN300969	CDF100358	69%	100%	78.7%
KPN300969	CDF101174	70%	100%	78.7%
KPN300969	CDF100271	69%	100%	78.7%
KPN300969	CDF102190	69%	100%	78.7%
KPN300969	CDF100009	69%	100%	78.7%
KPN300969	CDF101049	69%	100%	78.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN300969	CDF100125	70%	100%	78.7%
KPN300969	CDP100750	63%	100%	78.7%
KPN300969	CDP100008	63%	100%	78.7%
KPN300969	CDP101025	63%	100%	78.7%
KPN300969	CDP101470	63%	100%	78.7%
KPN300969	CDP101508	63%	100%	78.7%
KPN300969	EBC104695	94%	52.1%	100%
KPN300969	EBC104708	92%	100%	78.7%
KPN300969	EFA203112	65%	100%	78.7%
KPN300969	EFA201542	65%	100%	78.7%
KPN300969	EFA203085	65%	100%	78.7%
KPN300969	EFA202786	65%	100%	78.7%
KPN300969	EFM102382	65%	100%	78.7%
KPN300969	KPN300847	96%	100%	100%
KPN300969	KPN302967	93%	100%	78.7%
KPN300969	KPN300969	100%	100%	100%
KPN300969	LPN102481	82%	100%	78.7%
KPN300969	MCA102101	78%	100%	78.7%
KPN300969	MBV100203	59%	100%	78.7%
KPN300969	NGO100484	75%	100%	78.7%
KPN300969	NGO101737	77%	100%	44.4%
KPN300969	NGO100413	77%	100%	44.4%
KPN300969	NGO101926	77%	100%	44.4%
KPN300969	NME103001	79%	100%	78.7%
KPN300969	PRT103668	89%	90.6%	100%
KPN300969	PRT103667	86%	100%	82.8%
KPN300969	PRT103665	86%	100%	78.7%
KPN300969	PAE107214	80%	100%	78.7%
KPN300969	PPU102385	81%	100%	78.7%
KPN300969	PPU100406	81%	100%	78.7%
KPN300969	PPU101099	81%	100%	78.7%
KPN300969	PPU106991	81%	100%	78.7%
KPN300969	PPU112044	81%	100%	78.7%
KPN300969	PPU109454	81%	100%	78.7%
KPN300969	PPU109508	81%	100%	78.7%
KPN300969	PSY106628	81%	85.4%	100%
KPN300969	PSY106991	80%	100%	78.7%
KPN300969	PSY107666	80%	100%	78.7%
KPN300969	PSY101542	80%	100%	78.7%
KPN300969	SPA101643	96%	90.6%	98.9%
KPN300969	SPA103885	91%	100%	78.7%
KPN300969	SPA103853	92%	100%	78.7%
KPN300969	SAU302874	69%	100%	78.7%
KPN300969	SAU302816	69%	100%	78.7%
KPN300969	SAU302683	68%	76.0%	62.4%
KPN300969	SAU302807	69%	100%	78.7%
KPN300969	SAU301432	69%	100%	78.7%
KPN300969	SAU302626	69%	100%	78.7%
KPN300969	SEP201860	69%	100%	78.7%
KPN300969	SEP200476	69%	100%	78.7%
KPN300969	SEP201305	69%	100%	78.7%
KPN300969	SEP201812	69%	100%	78.7%
KPN300969	SEP201970	69%	100%	78.7%
KPN300969	SEP201855	69%	100%	78.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN300969	SHA102684	63%	57.3%	100%
KPN300969	SHA102720	69%	100%	78.7%
KPN300969	SMU101912	67%	100%	78.7%
KPN300969	SMU100576	67%	100%	78.7%
KPN300969	SMU101953	67%	100%	78.7%
KPN300969	SMU101883	67%	100%	78.7%
KPN300969	SMU101949	67%	100%	78.7%
KPN300969	SPN103672	68%	68.8%	100%
KPN300969	SPN102832	68%	100%	78.7%
KPN300969	SPY102630	69%	100%	78.7%
KPN303445	ABA100377	63%	85.5%	30.4%
KPN303445	BAN110462	54%	80.6%	29.0%
KPN303445	BAN105206	56%	80.6%	28.3%
KPN303445	BFR101067	46%	81.5%	28.1%
KPN303445	BPT100983	60%	84.7%	30.3%
KPN303445	BCE109754	59%	76.6%	90.7%
KPN303445	BFU102661	58%	90.3%	32.4%
KPN303445	BMA105286	56%	90.3%	31.7%
KPN303445	CJU100538	43%	75.8%	25.7%
KPN303445	CAC102220	51%	85.5%	30.5%
KPN303445	CBO103873	63%	80.6%	28.5%
KPN303445	CDF100218	55%	85.5%	30.5%
KPN303445	EBC102649	86%	100%	34.8%
KPN303445	EFA200438	57%	78.2%	27.7%
KPN303445	EFM100157	53%	71.0%	98.9%
KPN303445	ECO100397	88%	100%	34.8%
KPN303445	HIN100234	69%	87.9%	31.1%
KPN303445	HPY101045	39%	79.0%	27.5%
KPN303445	KPN304932	95%	100%	35.0%
KPN303445	KPN303445	100%	100%	100%
KPN303445	LPN100464	62%	84.7%	30.3%
KPN303445	LMO101436	58%	80.6%	28.9%
KPN303445	MCA100738	53%	91.9%	31.9%
KPN303445	NGO101626	56%	93.5%	32.9%
KPN303445	NME200555	60%	93.5%	32.9%
KPN303445	PMU100232	67%	94.4%	33.3%
KPN303445	PRT102078	87%	100%	34.7%
KPN303445	PAE203821	71%	88.7%	30.8%
KPN303445	PPU101525	70%	88.7%	30.7%
KPN303445	PSY103819	72%	88.7%	30.2%
KPN303445	SPA103215	89%	100%	53.7%
KPN303445	STY100393	89%	100%	35.0%
KPN303445	STM100064	90%	100%	35.0%
KPN303445	SAU801640	50%	85.5%	30.5%
KPN303445	SEP201597	51%	85.5%	30.5%
KPN303445	SHA100644	54%	80.6%	28.7%
KPN303445	SMU100783	53%	91.1%	31.6%
KPN303445	SPN401272	54%	82.3%	29.2%
KPN303445	SPY201071	57%	80.6%	28.9%
KPN303445	VCH100726	72%	91.1%	32.7%
KPN303445	YPS002552	76%	100%	34.8%
PAE100416	BPT102923	32%	47.1%	91.2%
PAE100416	CJU101231	28%	45.0%	87.6%
PAE100416	CDF101294	27%	76.7%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE100416	PAE100416	100%	100%	100%
PAE100416	PSY102925	71%	24.1%	10.0%
PAE100416	VCH101555	28%	50.2%	92.8%
PAE103489	PAE103489	100%	100%	100%
PAE105557	PRT103646	29%	82.8%	92.1%
PAE105557	PAE105557	100%	100%	100%
PAE105557	PSY108661	76%	97.8%	76.5%
PAE105557	VCH103214	34%	82.8%	96.5%
PAE105774	PAE105774	100%	100%	100%
PAE106754	PAE106754	100%	100%	100%
PAE108022	BMA109211	39%	99.6%	86.9%
PAE108022	KPN101409	34%	29.0%	89.9%
PAE108022	PAE108022	100%	100%	100%
PAE109011	ABA101540	47%	48.4%	100%
PAE109011	ABA103709	51%	100%	100%
PAE109011	BAN105335	27%	85.8%	85.1%
PAE109011	BAN107313	29%	86.8%	81.2%
PAE109011	BAN113265	29%	86.8%	81.2%
PAE109011	BFR106103	27%	98.9%	95.1%
PAE109011	BPT102239	70%	99.7%	100%
PAE109011	BCE106127	71%	98.4%	100%
PAE109011	BFU101538	73%	99.5%	99.7%
PAE109011	BMA102767	72%	99.5%	100%
PAE109011	CDP102956	28%	32.8%	29.4%
PAE109011	EBC101979	43%	98.4%	71.7%
PAE109011	ECO101573	42%	98.4%	71.6%
PAE109011	HIN101328	43%	98.9%	71.7%
PAE109011	HPY101378	22%	90.9%	85.3%
PAE109011	KPN105357	46%	39.8%	90.3%
PAE109011	LPN100345	44%	98.1%	96.3%
PAE109011	LMO100186	28%	95.2%	90.8%
PAE109011	MAV101641	49%	97.8%	97.3%
PAE109011	MBV102675	48%	97.3%	96.4%
PAE109011	MLP101560	49%	97.3%	96.2%
PAE109011	MTU200155	48%	97.3%	96.4%
PAE109011	NGO101564	44%	98.4%	71.3%
PAE109011	NME201088	45%	98.4%	71.3%
PAE109011	PMU100753	45%	98.4%	71.7%
PAE109011	PRT104233	45%	95.7%	69.5%
PAE109011	PAE109011	100%	100%	100%
PAE109011	PPU102936	84%	85.8%	99.7%
PAE109011	PSY103265	80%	95.7%	75.6%
PAE109011	SPA103434	41%	98.1%	71.7%
PAE109011	STY104366	43%	98.1%	71.5%
PAE109011	STM100178	43%	98.1%	71.5%
PAE109011	SAU801709	29%	92.2%	87.6%
PAE109011	SEP201723	28%	94.1%	90.6%
PAE109011	SHA100103	26%	57.3%	81.2%
PAE109011	SPN400854	32%	37.9%	100%
PAE109011	VCH103287	45%	98.4%	71.3%
PAE109011	YPS001876	44%	98.4%	71.9%
PAE109154	PAE109154	100%	100%	100%
PAE109190	PAE109190	100%	100%	100%
PAE109190	STY104341	39%	98.6%	96.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE109190	UUR100217	31%	37.5%	39.1%
PAE112443	BCE110618	37%	67.2%	38.7%
PAE112443	BCE108668	37%	67.0%	37.7%
PAE112443	BCE104450	46%	88.4%	95.1%
PAE112443	BCE111308	44%	91.7%	58.5%
PAE112443	BFU102584	47%	69.6%	43.2%
PAE112443	BFU100791	44%	91.7%	53.7%
PAE112443	BFU107929	45%	98.3%	56.1%
PAE112443	BMA105820	43%	95.5%	42.6%
PAE112443	EBC102287	48%	65.8%	32.1%
PAE112443	ECO200602	41%	66.0%	43.8%
PAE112443	ECO202018	37%	92.9%	54.3%
PAE112443	ECO200236	37%	95.3%	54.6%
PAE112443	MAV100794	24%	19.1%	49.0%
PAE112443	PRT100729	36%	68.4%	40.3%
PAE112443	PRT101866	33%	71.0%	42.5%
PAE112443	PAE200091	68%	89.6%	57.5%
PAE112443	PAE200095	74%	90.8%	52.8%
PAE112443	PAE202683	99%	100%	58.4%
PAE112443	PPU110472	46%	97.2%	50.8%
PAE112443	SPA102886	42%	74.1%	45.3%
PAE112443	STY104093	43%	72.2%	41.4%
PAE112443	STM103805	43%	72.2%	41.4%
PAE112443	YPS000907	38%	62.3%	33.5%
PAE112443	YPS002993	33%	99.3%	49.0%
PAE112443	YPS002986	35%	92.5%	45.4%
PAE112443	YPS002861	34%	98.3%	55.6%
PAE112443	YPS002256	38%	98.1%	41.8%
PAE200008	ABA103575	53%	99.9%	99.7%
PAE200008	BPT101206	44%	99.4%	69.7%
PAE200008	BCE113806	49%	71.6%	98.2%
PAE200008	BFU101557	47%	99.0%	98.4%
PAE200008	BMA100998	48%	99.0%	99.7%
PAE200008	CJU101159	32%	99.3%	99.4%
PAE200008	CDF104028	35%	98.7%	98.5%
PAE200008	EBC104561	51%	99.9%	100%
PAE200008	EFA100798	35%	99.6%	99.4%
PAE200008	EFM100945	34%	99.1%	99.0%
PAE200008	ECO103481	51%	99.9%	99.9%
PAE200008	HIN100903	52%	99.9%	99.9%
PAE200008	HPY100956	30%	99.4%	99.3%
PAE200008	KPN303050	52%	99.9%	99.9%
PAE200008	LPN102108	47%	76.5%	97.6%
PAE200008	LMO101909	33%	97.7%	97.5%
PAE200008	MCA101554	49%	99.0%	99.1%
PAE200008	NGO101359	44%	100%	99.9%
PAE200008	NME200487	43%	100%	99.9%
PAE200008	PMU101102	53%	99.9%	99.9%
PAE200008	PRT101496	48%	99.9%	99.9%
PAE200008	PAE200008	100%	100%	100%
PAE200008	PPU102205	78%	100%	100%
PAE200008	PSY107524	77%	100%	100%
PAE200008	SPA102021	53%	73.2%	100%
PAE200008	STY100713	51%	99.9%	99.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200008	SPN401327	35%	97.5%	97.3%
PAE200008	SPY201298	34%	97.7%	97.5%
PAE200008	VCH100020	50%	99.6%	99.6%
PAE200008	YPS003356	52%	99.9%	99.9%
PAE200016	BFR101549	32%	98.5%	99.8%
PAE200016	BPT100810	47%	100%	100%
PAE200016	CBO101759	30%	94.7%	42.1%
PAE200016	EBC103649	66%	98.7%	98.7%
PAE200016	ECO103213	65%	98.7%	98.7%
PAE200016	HIN100606	56%	99.8%	99.8%
PAE200016	KPN301224	66%	97.6%	82.8%
PAE200016	MAV100750	28%	95.8%	94.0%
PAE200016	MBV104023	29%	95.8%	93.2%
PAE200016	MTU202655	29%	95.8%	93.2%
PAE200016	NGO100419	49%	100%	99.8%
PAE200016	NME201669	49%	100%	99.8%
PAE200016	PMU101563	56%	99.8%	99.8%
PAE200016	PRT101765	64%	98.7%	98.7%
PAE200016	PAE200016	100%	100%	100%
PAE200016	PPU103624	85%	100%	100%
PAE200016	PSY106549	86%	95.4%	100%
PAE200016	PSY103526	85%	100%	100%
PAE200016	SPA104302	63%	98.7%	98.7%
PAE200016	STY101844	65%	98.7%	98.7%
PAE200016	STM102357	65%	98.7%	98.7%
PAE200016	SMU100461	26%	49.5%	100%
PAE200016	SPN400427	26%	95.2%	96.4%
PAE200016	SPY200238	22%	31.5%	64.3%
PAE200016	TPA100509	21%	48.4%	98.5%
PAE200016	VCH100043	66%	98.7%	98.7%
PAE200016	YPS002535	64%	98.7%	98.7%
PAE200028	BCE113981	32%	42.5%	70.1%
PAE200028	MAV105362	29%	44%	39.8%
PAE200028	PAE200028	100%	100%	100%
PAE200091	BFR100630	23%	90.8%	93.6%
PAE200091	BCE104450	42%	47.6%	78.1%
PAE200091	BCE111308	37%	87.9%	81.8%
PAE200091	BFU100791	38%	93.9%	86.8%
PAE200091	BFU107929	39%	94.7%	88.8%
PAE200091	BFU102584	40%	97.5%	96.7%
PAE200091	BMA105820	45%	93.3%	71.3%
PAE200091	EBC102287	42%	98.6%	73.9%
PAE200091	ECO200602	34%	80.9%	81.5%
PAE200091	ECO202018	32%	89.6%	80.0%
PAE200091	ECO200236	33%	86.2%	77.1%
PAE200091	PRT100729	30%	93.6%	84.0%
PAE200091	PRT101866	31%	97.4%	83.8%
PAE200091	PAE200095	77%	98.3%	95.0%
PAE200091	PAE202683	75%	98.1%	88.3%
PAE200091	PAE200091	100%	100%	100%
PAE200091	PPU110472	35%	92.7%	95.5%
PAE200091	SPA102886	38%	92.8%	84.1%
PAE200091	STY104093	37%	94.2%	83.8%
PAE200091	STM103805	37%	94.2%	83.8%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200091	YPS002993	34%	87.7%	78.6%
PAE200091	YPS002986	33%	90.4%	74%
PAE200091	YPS002861	32%	89.7%	89.1%
PAE200091	YPS002256	35%	96.4%	68.0%
PAE200095	BFR100630	22%	76.5%	93.4%
PAE200095	BCE104450	44%	55.6%	93.0%
PAE200095	BCE111308	39%	97.3%	97.2%
PAE200095	BFU102584	39%	96.2%	91.7%
PAE200095	BFU100791	40%	83.4%	86.5%
PAE200095	BFU107929	38%	96.1%	96.4%
PAE200095	BMA105820	42%	97.2%	71.3%
PAE200095	CAC102754	24%	4.9%	15.0%
PAE200095	EBC102287	41%	89.7%	70.0%
PAE200095	ECO200602	35%	70.3%	81.8%
PAE200095	ECO202018	31%	93.8%	90.1%
PAE200095	ECO200236	32%	93.8%	91.3%
PAE200095	HIN101683	20%	23.2%	75.1%
PAE200095	LMO100934	23%	16.7%	15.5%
PAE200095	MCA100120	21%	26.0%	23.6%
PAE200095	PRT100729	28%	81.4%	81.1%
PAE200095	PRT101866	29%	95.0%	78.1%
PAE200095	PAE200091	77%	95.0%	98.3%
PAE200095	PAE202683	79%	88.5%	89.5%
PAE200095	PAE200095	100%	100%	100%
PAE200095	PPU110472	39%	82.5%	87.5%
PAE200095	SPA102886	38%	96.0%	83.4%
PAE200095	STY104093	39%	94.6%	84.4%
PAE200095	STM103805	39%	94.6%	84.4%
PAE200095	SEP103164	17%	27.3%	14.3%
PAE200095	SEP102883	18%	23.1%	82.0%
PAE200095	SEP102632	20%	22.8%	70%
PAE200095	YPS002993	35%	71.1%	71.9%
PAE200095	YPS002986	35%	92.8%	74.5%
PAE200095	YPS002256	34%	98.9%	68.3%
PAE200095	YPS002861	32%	94.2%	89.2%
PAE200120	BFR103502	25%	89.9%	88.8%
PAE200120	BCE110669	32%	96.5%	92.1%
PAE200120	BMA109531	31%	96.9%	96.5%
PAE200120	MAV105850	26%	90.8%	86.4%
PAE200120	MAV106443	27%	90.8%	87.8%
PAE200120	MAV106442	29%	94.7%	86.9%
PAE200120	PAE200120	100%	100%	100%
PAE200120	PPU110993	54%	99.1%	97.4%
PAE200129	ABA100663	54%	94.7%	96.8%
PAE200129	BAN112793	44%	93.5%	99.6%
PAE200129	BAN105954	47%	93.7%	95.7%
PAE200129	BCE106496	74%	54.5%	98.5%
PAE200129	BFU103366	46%	93.9%	97.0%
PAE200129	BMA102987	68%	96.4%	94.8%
PAE200129	CDP101008	38%	93.5%	94.5%
PAE200129	CDP101013	40%	93.3%	97.6%
PAE200129	ECO102608	66%	93.5%	95.1%
PAE200129	KPN301719	65%	94.3%	95.9%
PAE200129	MAV100658	47%	92.2%	95.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200129	MBV103206	47%	87.8%	94.7%
PAE200129	MTU300544	47%	87.8%	94.7%
PAE200129	PAE200129	100%	100%	100%
PAE200129	PPU112081	70%	92.4%	98.6%
PAE200129	PSY103995	72%	91.2%	97.5%
PAE200129	SPA103001	64%	90.5%	100%
PAE200129	STY102685	67%	90.5%	92.1%
PAE200129	STM103155	67%	90.5%	92.1%
PAE200141	CJU100565	57%	82.2%	83.6%
PAE200141	CDP100699	61%	88.6%	87.2%
PAE200141	KPN105705	60%	47.3%	94.6%
PAE200141	MCA103117	66%	85.9%	69.6%
PAE200141	NGO100170	74%	89.6%	86.7%
PAE200141	PAE200141	100%	100%	100%
PAE200143	BAN102824	26%	77.2%	81.4%
PAE200143	BAN108591	28%	68.7%	87.1%
PAE200143	BAN101298	27%	87.2%	92.3%
PAE200143	BAN100879	30%	77.5%	80.1%
PAE200143	BAN106351	28%	87.2%	91.9%
PAE200143	BAN101130	28%	84.5%	86.0%
PAE200143	BCE109097	59%	35.0%	74.1%
PAE200143	BFU112499	40%	84.2%	86.6%
PAE200143	CJU100309	30%	76.3%	77.0%
PAE200143	CBO101782	26%	41.3%	47.4%
PAE200143	CDF101242	35%	93.3%	94.4%
PAE200143	CDP101180	37%	84.5%	88.8%
PAE200143	EBC102926	43%	93.0%	97.1%
PAE200143	EFA201622	39%	90.6%	91.4%
PAE200143	EFM100690	34%	91.2%	92.0%
PAE200143	ECO100641	42%	92.7%	97.4%
PAE200143	KPN304017	42%	93.0%	97.7%
PAE200143	MAV103964	28%	92.7%	95.1%
PAE200143	MBV100246	30%	92.4%	96.4%
PAE200143	MTU203347	30%	92.4%	96.4%
PAE200143	PMU101767	34%	94.2%	99.4%
PAE200143	PAE200143	100%	100%	100%
PAE200143	PPU103884	69%	97.3%	95.2%
PAE200143	PSY102601	67%	98.5%	99.7%
PAE200143	SPA102591	41%	92.7%	97.7%
PAE200143	STY101792	44%	92.7%	97.4%
PAE200143	STM100837	39%	93.9%	98.0%
PAE200143	SAU800243	34%	93.3%	98.1%
PAE200143	SEP202387	35%	83.9%	88.7%
PAE200143	SHA100447	33%	72.0%	89.5%
PAE200183	ABA100200	40%	97.8%	92.9%
PAE200183	ABA104644	43%	98.1%	93.0%
PAE200183	BFR10492	32%	95.0%	93.1%
PAE200183	BFR10093	23%	95.0%	93.3%
PAE200183	BFR10552	23%	96.3%	89.7%
PAE200183	BFR101385	24%	92.7%	91.2%
PAE200183	BFR103680	24%	95.3%	89.0%
PAE200183	BFR100208	24%	97.8%	84.9%
PAE200183	BFR10690	25%	95.5%	90.1%
PAE200183	BFR103079	26%	95.3%	89.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200183	BFR10777	26%	95.1%	89.7%
PAE200183	BFR103945	29%	93.8%	86.4%
PAE200183	BFR104288	28%	95.5%	92.7%
PAE200183	BFR101904	30%	97.6%	88.6%
PAE200183	BPT102903	25%	94.0%	94.7%
PAE200183	BCE106187	38%	99.1%	91.5%
PAE200183	BFU113203	24%	94.2%	79.5%
PAE200183	ECO103713	25%	79.1%	61.7%
PAE200183	KPN306173	37%	98.1%	88.9%
PAE200183	MAV104946	66%	97.9%	97.4%
PAE200183	MBV100918	33%	95.7%	66.5%
PAE200183	MTU200708	31%	95.7%	67.5%
PAE200183	PRT102753	23%	97.2%	90.1%
PAE200183	PAE200183	100%	100%	100%
PAE200183	PPU106617	43%	99.6%	92.6%
PAE200183	SPA102897	25%	88.4%	90.8%
PAE200183	STY101070	26%	88.6%	81.7%
PAE200183	STM100785	26%	88.6%	81.7%
PAE200217	BPT102003	33%	99.0%	98.4%
PAE200217	BFU104326	40%	97.4%	96.4%
PAE200217	KPN304984	57%	96.4%	97.0%
PAE200217	PAE200217	100%	100%	100%
PAE200217	PPU101602	83%	98.0%	99.0%
PAE200217	SPN400828	27%	62.7%	65.2%
PAE200217	SPY102499	22%	95.8%	98.3%
PAE200220	BCE104168	59%	59.6%	96.5%
PAE200220	BCE110873	59%	98.0%	94.2%
PAE200220	PAE200220	100%	100%	100%
PAE200220	PPU108861	84%	100%	100%
PAE200221	KPN101222	26%	26.7%	58.9%
PAE200221	PAE200221	100%	100%	100%
PAE200221	YPS003120	56%	97.2%	100%
PAE200232	KPN303293	29%	81.2%	82.7%
PAE200232	KPN308873	33%	90.4%	94.6%
PAE200232	PAE200232	100%	100%	100%
PAE200232	PSY105603	32%	93.9%	97.4%
PAE200264	ABA102697	63%	100%	96.4%
PAE200264	BAN111116	51%	96.9%	99.6%
PAE200264	BAN113242	55%	97.7%	97.5%
PAE200264	BPT102162	66%	99.0%	97.8%
PAE200264	BCE104300	70%	99.4%	93.8%
PAE200264	BFU101276	62%	99.4%	92.1%
PAE200264	BFU100346	66%	99.4%	100%
PAE200264	BFU109581	69%	100%	99.4%
PAE200264	BMA108572	70%	99.4%	98.2%
PAE200264	CJU100455	39%	78.1%	95.9%
PAE200264	CAC103154	32%	96.3%	96.5%
PAE200264	CBO103360	36%	94.6%	94.2%
PAE200264	CDF103906	35%	94.4%	93.8%
PAE200264	CDP100105	44%	97.1%	94.0%
PAE200264	EBC101295	57%	67.7%	100%
PAE200264	ECO102606	81%	99.6%	99.8%
PAE200264	KPN301710	83%	99.6%	99.8%
PAE200264	LMO102125	49%	99.4%	99.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200264	MCA100475	56%	97.9%	95.0%
PAE200264	MBV101411	37%	92.1%	97.6%
PAE200264	MLP101520	35%	93.2%	98.7%
PAE200264	NGO100472	62%	93.8%	92.6%
PAE200264	NME201555	63%	93.8%	95.0%
PAE200264	PMU101536	61%	99.4%	99.0%
PAE200264	PRT101070	59%	99.6%	99.8%
PAE200264	PAE200264	100%	100%	100%
PAE200264	PPU109991	88%	99.4%	99.6%
PAE200264	PSY107494	85%	99.4%	99.6%
PAE200264	PSY102991	85%	99.4%	99.6%
PAE200264	SPA100521	71%	92.8%	98.7%
PAE200264	STY102679	80%	99.6%	99.8%
PAE200264	STM103149	80%	99.6%	99.8%
PAE200264	SEP201912	36%	95.9%	97.1%
PAE200264	SHA102393	48%	95.2%	99.8%
PAE200264	SPN202499	32%	26.9%	93.8%
PAE200264	VCH101717	56%	99.2%	98.0%
PAE200264	YPS000392	43%	98.8%	97.6%
PAE200303	BPT101584	52%	88.2%	95.5%
PAE200303	BCE105599	55%	89.6%	94.5%
PAE200303	BFU102292	55%	92.4%	88.1%
PAE200303	BMA107415	53%	89.3%	94.9%
PAE200303	EBC101151	62%	84.8%	98.8%
PAE200303	ECO100833	63%	91.7%	94.3%
PAE200303	KPN302154	61%	92.4%	95.0%
PAE200303	NGO100725	48%	93.8%	94.6%
PAE200303	NME200757	47%	93.8%	94.6%
PAE200303	PAE200303	100%	100%	100%
PAE200303	PPU102821	88%	96.2%	93.6%
PAE200303	PSY102004	83%	100%	99.0%
PAE200303	SPA102370	62%	91.7%	95.0%
PAE200303	STY102478	62%	91.7%	94.3%
PAE200303	STM102603	62%	91.7%	94.3%
PAE200303	YPS001160	63%	91.7%	94.3%
PAE200320	BCE106256	60%	99.1%	99.4%
PAE200320	PAE200320	100%	100%	100%
PAE200352	ABA101148	74%	96.6%	99.7%
PAE200352	BAN107961	38%	94.6%	95.7%
PAE200352	BAN107556	49%	98.0%	98.6%
PAE200352	BFR12455	66%	98.2%	98.7%
PAE200352	BPT102335	72%	99.7%	99.7%
PAE200352	BCE110053	80%	99.8%	90.4%
PAE200352	BFU102555	73%	96.7%	98.8%
PAE200352	BMA108067	37%	98.0%	97.9%
PAE200352	CJU100013	46%	98.0%	99.1%
PAE200352	CAC101693	44%	92.8%	94.7%
PAE200352	CBO102730	35%	95.1%	94.4%
PAE200352	CDF100406	43%	96.2%	97.6%
PAE200352	CDP100193	66%	98.2%	98.9%
PAE200352	EBC103119	73%	95.8%	100%
PAE200352	ECO103685	73%	96.7%	99.5%
PAE200352	HIN100718	75%	99.7%	99.8%
PAE200352	KPN302046	74%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200352	LMO100576	45%	98.0%	98.2%
PAE200352	MCA101145	72%	99.0%	99.2%
PAE200352	MAV103959	37%	60.9%	98.8%
PAE200352	MBV102695	39%	98.0%	96.3%
PAE200352	MLP101542	40%	98.0%	98.2%
PAE200352	MTU200188	39%	98.0%	96.3%
PAE200352	NGO100339	72%	99.8%	99.8%
PAE200352	NME201248	72%	99.8%	99.8%
PAE200352	PMU101625	77%	99.2%	99.5%
PAE200352	PRT104367	72%	100%	100%
PAE200352	PAE200352	100%	100%	100%
PAE200352	PPU102184	91%	100%	99.8%
PAE200352	PSY103562	90%	95.6%	99.3%
PAE200352	SPA102766	74%	88.9%	98.9%
PAE200352	STY102141	73%	100%	100%
PAE200352	STM101004	74%	100%	100%
PAE200352	SAU802053	44%	98.0%	98.4%
PAE200352	SEP201289	45%	98.0%	98.4%
PAE200352	SHA101345	44%	98.0%	98.4%
PAE200352	SMU101318	37%	98.7%	95.7%
PAE200352	SPN401932	37%	95.8%	94.2%
PAE200352	VCH100028	76%	100%	100%
PAE200352	YPS001655	73%	100%	100%
PAE200372	ABA102251	62%	74.7%	92.4%
PAE200372	BAN106145	44%	65.3%	98.1%
PAE200372	BAN102864	47%	65.7%	91.5%
PAE200372	BFR103244	52%	65.7%	95.0%
PAE200372	BPT103145	48%	84.8%	60.4%
PAE200372	BBU100076	36%	62.2%	98.2%
PAE200372	BCE109396	49%	76.9%	96.3%
PAE200372	BFU100592	47%	85.1%	89.7%
PAE200372	BMA103170	42%	93.4%	96.2%
PAE200372	CJU101131	40%	65.7%	97.6%
PAE200372	CPN200871	39%	62.9%	96.6%
PAE200372	CTR200202	36%	62.4%	97.2%
PAE200372	CAC103551	46%	66.2%	98.7%
PAE200372	CBO103745	46%	66.2%	98.7%
PAE200372	CDF101891	48%	65.9%	70.0%
PAE200372	CDP101168	39%	91.9%	80.0%
PAE200372	EBC104170	51%	96.5%	99.2%
PAE200372	EFA201601	39%	93.4%	96.8%
PAE200372	EFM200001	47%	64.8%	89.8%
PAE200372	ECO103387	54%	24.4%	15.3%
PAE200372	HIN100748	65%	72.3%	78.3%
PAE200372	HPY100750	47%	44.8%	69.6%
PAE200372	KPN308256	56%	92.7%	84.4%
PAE200372	LMO101591	48%	65.9%	92.1%
PAE200372	MCA101469	64%	67.3%	97.8%
PAE200372	MAV103813	41%	86.4%	91.4%
PAE200372	MBV100063	39%	67.9%	84.0%
PAE200372	MLP100992	40%	87.0%	89.1%
PAE200372	MTU202883	41%	83.7%	85.5%
PAE200372	MGE100303	35%	64.6%	85.5%
PAE200372	MPN100416	36%	64.6%	85.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200372	NGO101961	40%	68.8%	83.9%
PAE200372	NME200274	47%	94.5%	99.5%
PAE200372	PMU101519	51%	90.8%	94.8%
PAE200372	PRT100781	52%	53.0%	12.3%
PAE200372	PAE200372	100%	100%	100%
PAE200372	PPU102117	69%	99.6%	100%
PAE200372	PSY102772	66%	99.6%	99.6%
PAE200372	SPA100292	67%	52.5%	95.6%
PAE200372	STY101273	51%	96.5%	99.2%
PAE200372	SAU801235	46%	66.2%	72.8%
PAE200372	SEP201528	44%	66.2%	74.3%
PAE200372	SHA101742	44%	66.2%	74.4%
PAE200372	SMU100011	37%	93.2%	83.7%
PAE200372	SPN401122	43%	64.6%	69.4%
PAE200372	SPY200409	37%	91.9%	81.6%
PAE200372	TPA100571	34%	63.7%	98.0%
PAE200372	UUR100140	39%	65.3%	85.5%
PAE200372	VCH100146	61%	80.2%	92.1%
PAE200372	YPS000724	56%	92.1%	76.3%
PAE200377	ABA105983	46%	63.4%	68.4%
PAE200377	BFR100811	52%	49.8%	79.1%
PAE200377	BPT102427	37%	84.8%	94.2%
PAE200377	BCE107288	41%	80.2%	81.0%
PAE200377	BMA102568	41%	84.0%	80.9%
PAE200377	EBC104053	51%	86.0%	91.3%
PAE200377	ECO103138	51%	93.0%	93.0%
PAE200377	HIN100811	48%	79.4%	100%
PAE200377	KPN301886	50%	93.4%	93.8%
PAE200377	MCA100476	49%	60.1%	67.9%
PAE200377	NGO100783	36%	86.4%	95.3%
PAE200377	NME201967	36%	86.4%	95.3%
PAE200377	PMU100324	45%	94.7%	92.3%
PAE200377	PRT104291	40%	91.8%	96.6%
PAE200377	PAE200377	100%	100%	100%
PAE200377	PPU102113	76%	95.1%	97.9%
PAE200377	PSY106207	70%	93.4%	96.2%
PAE200377	SPA101398	50%	93.8%	94.6%
PAE200377	STY101521	53%	93.8%	93.8%
PAE200377	YPS002249	50%	84.0%	85.5%
PAE200400	ABA104096	39%	97.2%	98.5%
PAE200400	BAN105008	28%	94.1%	95.3%
PAE200400	BAN109895	33%	94.1%	93.2%
PAE200400	BPT102422	43%	89.8%	98.0%
PAE200400	BCE103736	45%	99.8%	99.5%
PAE200400	BFU104929	45%	99.8%	99.5%
PAE200400	BMA105735	46%	99.8%	99.5%
PAE200400	CJU101120	25%	88.4%	91.1%
PAE200400	CAC103721	30%	99.3%	99.3%
PAE200400	CBO101305	27%	98.6%	98.0%
PAE200400	CDF100578	32%	99.1%	99.3%
PAE200400	CDP100341	35%	89.6%	85.9%
PAE200400	EFA201088	31%	99.1%	98.4%
PAE200400	EFM200431	34%	96.7%	96.5%
PAE200400	HPY100262	24%	61.9%	66.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200400	LMO102149	33%	98.6%	97.9%
PAE200400	MCA100879	40%	85.8%	90%
PAE200400	MAV103353	34%	99.3%	98.1%
PAE200400	MBV100044	34%	70.9%	96.5%
PAE200400	MLP100325	33%	100%	98.8%
PAE200400	MTU201364	34%	99.3%	98.1%
PAE200400	PAE200400	100%	100%	100%
PAE200400	PPU109222	80%	99.8%	99.8%
PAE200400	PSY103720	78%	99.5%	99.5%
PAE200400	SAU801201	32%	95.7%	96.0%
PAE200400	SEP201466	33%	91.0%	91.1%
PAE200400	SHA102128	32%	88.9%	89.2%
PAE200400	SMU101043	33%	98.8%	99.1%
PAE200400	SPN401053	32%	98.8%	99.1%
PAE200400	SPY200678	33%	99.1%	99.3%
PAE200417	PAE200417	100%	100%	100%
PAE200418	ABA103824	46%	95.4%	96.7%
PAE200418	BAN111901	29%	86.7%	87.6%
PAE200418	BAN112503	30%	86.7%	87.6%
PAE200418	BFR11658	28%	87.9%	91.7%
PAE200418	BPT105316	44%	98.8%	98.8%
PAE200418	BBU100357	20%	89.6%	89.3%
PAE200418	BCE109489	44%	97.1%	92.4%
PAE200418	BFU102739	40%	97.9%	99.2%
PAE200418	BMA109753	44%	97.1%	94.9%
PAE200418	CJU100145	23%	42.1%	42.2%
PAE200418	CAC100229	33%	85.8%	85.6%
PAE200418	CBO102235	34%	88.8%	87.5%
PAE200418	CDF103179	29%	95.8%	95.6%
PAE200418	CDP100554	30%	88.3%	85.7%
PAE200418	EBC103401	43%	99.2%	99.2%
PAE200418	EFA202205	28%	86.2%	87.2%
PAE200418	EFM202604	29%	97.5%	96.9%
PAE200418	ECO102881	46%	99.2%	95.6%
PAE200418	HIN100289	44%	99.2%	98.8%
PAE200418	HPY100370	23%	77.1%	79.2%
PAE200418	KPN302104	45%	99.2%	99.2%
PAE200418	LMO101841	27%	95.8%	95.3%
PAE200418	MCA100465	43%	95%	94.7%
PAE200418	MAV108579	31%	90.8%	90.1%
PAE200418	MBV102602	30%	86.2%	81.7%
PAE200418	MLP100391	35%	61.2%	61.9%
PAE200418	MTU202336	30%	86.2%	81.7%
PAE200418	NGO101375	41%	98.8%	99.6%
PAE200418	NME200491	40%	99.2%	100%
PAE200418	PMU101868	43%	99.2%	99.2%
PAE200418	PRT104576	44%	99.2%	99.2%
PAE200418	PAE200418	100%	100%	100%
PAE200418	PPU109349	81%	99.6%	100%
PAE200418	PSY103606	78%	99.6%	100%
PAE200418	SPA102541	44%	99.2%	94.1%
PAE200418	STY104567	46%	99.2%	99.2%
PAE200418	STM100579	46%	99.2%	93.1%
PAE200418	SAU801577	27%	95%	96%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200418	SEP201048	28%	95%	94.9%
PAE200418	SHA100362	27%	95%	94.9%
PAE200418	SMU100650	25%	83.8%	85.0%
PAE200418	SPN401605	28%	86.2%	86.1%
PAE200418	SPY201527	27%	84.2%	84.7%
PAE200418	TPA100273	24%	96.2%	89.8%
PAE200418	UUR100303	22%	87.5%	89.7%
PAE200418	VCH100464	46%	99.2%	99.2%
PAE200418	YPS000221	44%	99.2%	99.2%
PAE200422	ABA100380	36%	86.9%	84.7%
PAE200422	BPT101828	29%	99.0%	87.7%
PAE200422	BCE111648	31%	99.5%	90.6%
PAE200422	BFU102154	30%	99.5%	100%
PAE200422	BFU105710	33%	97.4%	99.5%
PAE200422	BMA100207	32%	97.4%	99.5%
PAE200422	CJU100388	29%	97.4%	96.8%
PAE200422	CDP101088	34%	81.2%	89.2%
PAE200422	EBC101391	77%	92.1%	92.1%
PAE200422	ECO101029	74%	99.5%	99.5%
PAE200422	HPY101268	31%	95.3%	98.4%
PAE200422	KPN301643	32%	97.4%	86.0%
PAE200422	LPN101900	34%	95.3%	89.8%
PAE200422	LMO101787	41%	71.2%	78.4%
PAE200422	MCA101994	31%	68.6%	69.3%
PAE200422	MAV105031	35%	52.9%	59.0%
PAE200422	NGO100068	27%	99.5%	100%
PAE200422	NME201326	32%	72.8%	71.7%
PAE200422	PRT105086	63%	100%	99.5%
PAE200422	PAE200422	100%	100%	100%
PAE200422	PPU104691	60%	100%	99.5%
PAE200422	PSY103584	61%	100%	99.5%
PAE200422	SPA101096	72%	84.3%	96.4%
PAE200422	STY102481	75%	99.5%	99.5%
PAE200422	SAU802687	32%	74.3%	81.3%
PAE200422	SEP202168	32%	76.4%	83.6%
PAE200422	SHA100482	35%	71.2%	77.8%
PAE200422	VCH103263	52%	99.5%	100%
PAE200422	YPS001906	77%	99.5%	99.0%
PAE200423	BFR104914	29%	64.6%	64.2%
PAE200423	BFR104105	29%	63.9%	64.4%
PAE200423	BPT100831	30%	76.9%	63.8%
PAE200423	ECO203613	32%	83.7%	81.5%
PAE200423	KPN303823	30%	87.1%	91.9%
PAE200423	PAE200423	100%	100%	100%
PAE200423	SPA102684	30%	83.7%	88.8%
PAE200423	STY103394	30%	83.7%	88.8%
PAE200425	ABA101792	58%	98.7%	98.8%
PAE200425	BPT100257	71%	98.7%	97.5%
PAE200425	BCE114545	69%	24.0%	85.5%
PAE200425	BCE104032	64%	98.9%	97.1%
PAE200425	BFU105569	64%	98.9%	96.8%
PAE200425	BMA106830	64%	98.9%	97.1%
PAE200425	EBC103991	70%	99.7%	99.8%
PAE200425	ECO100453	70%	98.6%	98.5%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200425	KPN303893	70%	99.7%	99.2%
PAE200425	MCA100461	56%	99.8%	99.5%
PAE200425	NGO100607	49%	99.6%	98.5%
PAE200425	NME201818	49%	99.7%	98.6%
PAE200425	PRT104879	64%	98.6%	98.4%
PAE200425	PAE200425	100%	100%	100%
PAE200425	PPU101135	78%	99.7%	99.2%
PAE200425	PSY103933	79%	100%	100%
PAE200425	SPA101524	67%	71.3%	100%
PAE200425	STY100789	69%	99.7%	99.8%
PAE200425	STM102325	67%	98.6%	99.5%
PAE200425	YPS001789	68%	98.6%	98.3%
PAE200459	PAE200459	100%	100%	100%
PAE200459	PPU107387	44%	90.6%	92.1%
PAE200459	PSY102781	48%	35.4%	95.8%
PAE200459	VCH102532	31%	91.7%	97.5%
PAE200461	PAE200461	100%	100%	100%
PAE200461	PPU107389	65%	71.8%	100%
PAE200461	PSY102777	60%	71.8%	100%
PAE200468	BAN113291	18%	45.6%	55.8%
PAE200468	CDF104086	24%	94.7%	92.7%
PAE200468	MAV106504	25%	43.2%	36.3%
PAE200468	PAE200468	100%	100%	100%
PAE200468	PSY107961	28%	32.6%	52.5%
PAE200468	SPN401648	30%	21.1%	36.0%
PAE200471	PAE200471	100%	100%	100%
PAE200471	PPU105108	78%	99.4%	99.4%
PAE200471	PSY102765	76%	99.4%	99.4%
PAE200485	BAN101805	24%	83.6%	87.3%
PAE200485	BCE107575	54%	98.8%	94.8%
PAE200485	BFU100736	52%	98.1%	90.0%
PAE200485	BMA104037	53%	98.1%	93.4%
PAE200485	EBC101352	42%	98.5%	96.6%
PAE200485	ECO103766	42%	98.5%	96.6%
PAE200485	KPN300972	45%	98.5%	96.6%
PAE200485	PRT101378	40%	99.4%	97.3%
PAE200485	PAE200485	100%	100%	100%
PAE200485	PPU105090	80%	100%	100%
PAE200485	PSY103362	75%	100%	100%
PAE200485	SPA103893	43%	98.5%	96.6%
PAE200485	STY103453	43%	98.5%	96.6%
PAE200485	STM101489	43%	98.5%	96.6%
PAE200485	VCH100035	50%	98.5%	93.2%
PAE200485	YPS001282	46%	98.5%	96.6%
PAE200505	ABA102651	60%	99.5%	99.8%
PAE200505	ABA104246	67%	99.5%	99.8%
PAE200505	BCE106981	61%	99.3%	100%
PAE200505	BFU110929	59%	99.3%	100%
PAE200505	BMA107416	61%	99.3%	100%
PAE200505	PAE200505	100%	100%	100%
PAE200505	PPU105062	90%	100%	100%
PAE200505	PSY103320	88%	100%	100%
PAE200547	ABA100381	70%	99.2%	98.9%
PAE200547	BAN111549	51%	52.3%	92.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200547	BAN102492	50%	98.5%	96.5%
PAE200547	BFR11813	38%	98.6%	98.5%
PAE200547	BPT100911	62%	98.6%	98.4%
PAE200547	BCE113404	64%	98.6%	95.9%
PAE200547	BFU111408	60%	99.8%	98.2%
PAE200547	BMA106204	64%	98.6%	95.9%
PAE200547	CJU101551	45%	98.0%	98.1%
PAE200547	CPN200956	45%	97.6%	97.0%
PAE200547	CTR200126	45%	97.6%	96.8%
PAE200547	CAC101106	48%	98.8%	98.5%
PAE200547	CAC102328	49%	98.8%	98.5%
PAE200547	CDF103784	37%	40.9%	95.3%
PAE200547	CDP100257	44%	98.9%	95.9%
PAE200547	EBC103706	72%	99.7%	100%
PAE200547	EFA201838	50%	97.4%	98.8%
PAE200547	EFM100121	57%	24.5%	99.4%
PAE200547	ECO102870	72%	99.7%	100%
PAE200547	HIN101002	70%	99.7%	100%
PAE200547	HPY101071	42%	99.1%	98.0%
PAE200547	KPN303075	73%	99.7%	100%
PAE200547	LPN102231	73%	28.6%	99.5%
PAE200547	LPN102506	59%	95.2%	98.9%
PAE200547	LMO101346	49%	98.3%	98.5%
PAE200547	MCA100777	66%	99.4%	97.8%
PAE200547	MAV101560	43%	98.8%	96.1%
PAE200547	MBV100248	43%	98.8%	96.1%
PAE200547	MLP100366	43%	98.8%	96.1%
PAE200547	MTU201430	43%	98.8%	96.1%
PAE200547	MGE100068	33%	98.2%	98.9%
PAE200547	MPN100073	35%	98.2%	98.9%
PAE200547	NGO100398	63%	98.6%	99.4%
PAE200547	NME201529	63%	98.6%	99.4%
PAE200547	PMU101242	69%	99.7%	100%
PAE200547	PMU101638	69%	99.7%	100%
PAE200547	PRT102791	70%	99.8%	100%
PAE200547	PAE200547	100%	100%	100%
PAE200547	PPU104660	85%	100%	100%
PAE200547	PSY103014	82%	97.3%	100%
PAE200547	SPA101296	71%	99.7%	100%
PAE200547	STY104533	72%	99.7%	100%
PAE200547	STM101336	66%	99.4%	99.2%
PAE200547	SAU801342	47%	97.4%	97.6%
PAE200547	SEP202003	48%	98.3%	98.5%
PAE200547	SHA100863	42%	58.8%	98.2%
PAE200547	SMU101576	49%	98.3%	98.9%
PAE200547	SPN401839	50%	98.3%	98.9%
PAE200547	SPY201289	49%	98.3%	91.4%
PAE200547	TPA100554	44%	98.3%	98.2%
PAE200547	UUR100593	33%	97.4%	98.3%
PAE200547	VCH103347	71%	99.4%	97.4%
PAE200547	VCH100468	71%	99.7%	95.7%
PAE200547	YPS000208	72%	99.8%	100%
PAE200599	BAN105284	40%	10.7%	27.3%
PAE200599	BAN109052	30%	28.6%	65.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200599	BFR101263	32%	26.7%	50.4%
PAE200599	BCE110035	27%	39.6%	37.8%
PAE200599	BCE110581	43%	17.8%	93.5%
PAE200599	BCE109908	34%	8.0%	29.3%
PAE200599	BFU103000	36%	7.9%	54.8%
PAE200599	BFU110023	31%	28.5%	46.9%
PAE200599	BFU101450	35%	39.1%	81.0%
PAE200599	BFU101254	34%	39.1%	72.5%
PAE200599	BFU103011	43%	11.0%	10.4%
PAE200599	BMA108967	38%	45.2%	100%
PAE200599	CAC101277	26%	26.1%	53.3%
PAE200599	CAC101211	28%	27.2%	55.2%
PAE200599	CBO100759	26%	25.8%	53.8%
PAE200599	CDF103262	24%	26.9%	52.8%
PAE200599	CDP101464	31%	28.1%	55.2%
PAE200599	EBC104374	32%	28.2%	43.5%
PAE200599	EFA200214	30%	29.0%	64.0%
PAE200599	ECO103589	30%	28.1%	43.3%
PAE200599	KPN306163	44%	7.3%	98.2%
PAE200599	KPN303671	31%	28.6%	44.2%
PAE200599	LMO101432	34%	25.5%	57.4%
PAE200599	MAV102424	30%	26.2%	48.8%
PAE200599	MBV102813	30%	26.2%	47.6%
PAE200599	MTU200836	30%	26.2%	48%
PAE200599	PMU101339	28%	28.1%	44.0%
PAE200599	PAE200599	100%	100%	100%
PAE200599	PPU107403	60%	60.0%	99.8%
PAE200599	PSY103327	61%	85.8%	98.2%
PAE200599	STY104108	30%	28.1%	43.4%
PAE200599	SAU802392	29%	25.3%	58.4%
PAE200599	SEP200985	26%	27.7%	63.8%
PAE200599	SHA102846	28%	25.6%	57.6%
PAE200599	SMU100517	27%	29.0%	52.0%
PAE200599	SPN400343	29%	25.8%	61.9%
PAE200599	SPY201249	27%	25.5%	60.5%
PAE200641	PAE200641	100%	100%	100%
PAE200641	PSY101969	26%	73.7%	80.9%
PAE200641	PSY107333	26%	73.7%	80.9%
PAE200649	ABA100544	57%	99.7%	99.1%
PAE200649	BAN101064	37%	93.7%	60.8%
PAE200649	BAN112001	38%	93.7%	61.9%
PAE200649	BPT101673	47%	97.4%	98.0%
PAE200649	BCE110439	50%	97.1%	97.7%
PAE200649	BFU102499	48%	97.4%	96.3%
PAE200649	BMA100765	51%	97.1%	97.7%
PAE200649	CJU100315	34%	92.8%	60.0%
PAE200649	CAC101973	43%	96.0%	99.7%
PAE200649	CBO103805	25%	38.7%	31.7%
PAE200649	CDP101553	37%	92.0%	93.5%
PAE200649	EBC101419	35%	58.5%	99.0%
PAE200649	EFA202356	30%	38.4%	30.7%
PAE200649	EFM201135	28%	37.5%	30.2%
PAE200649	ECO101234	37%	95.1%	61.4%
PAE200649	HIN101356	38%	81.9%	86.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200649	HPY201197	34%	92.8%	95.2%
PAE200649	KPN301484	37%	95.1%	61.4%
PAE200649	LPN102404	39%	49.3%	92.8%
PAE200649	LMO102223	37%	95.4%	96.8%
PAE200649	MCA102436	51%	96.0%	97.1%
PAE200649	MAV103597	37%	90.3%	98.8%
PAE200649	MBV100592	39%	93.1%	97.3%
PAE200649	MLP100541	36%	95.7%	92.9%
PAE200649	MTU202158	39%	95.4%	90.8%
PAE200649	MGE100051	28%	41.5%	34.0%
PAE200649	MPN100090	24%	41.5%	34.0%
PAE200649	NGO100573	47%	96.0%	97.1%
PAE200649	NME201076	49%	95.7%	94.0%
PAE200649	PMU100581	34%	97.1%	100%
PAE200649	PRT101794	37%	94.8%	97.9%
PAE200649	PAE200649	100%	100%	100%
PAE200649	PPU107433	79%	99.4%	99.4%
PAE200649	PSY103388	80%	99.4%	98.3%
PAE200649	SPA102155	46%	51.3%	34.0%
PAE200649	STY103025	38%	95.1%	61.4%
PAE200649	STM101370	38%	95.1%	61.4%
PAE200649	SAU801369	33%	75.9%	78.9%
PAE200649	SEP202060	32%	74.8%	77.9%
PAE200649	SHA101690	35%	73.9%	75.4%
PAE200649	SMU100045	36%	95.7%	98.2%
PAE200649	SPN401633	38%	94.8%	97.6%
PAE200649	VCH101153	35%	93.1%	91.5%
PAE200649	YPS000872	38%	92.6%	95.2%
PAE200654	ABA100432	55%	97.2%	98.6%
PAE200654	BPT100695	49%	97.2%	94.1%
PAE200654	BCE104003	48%	94.9%	98.1%
PAE200654	BFU100819	49%	95.8%	99.1%
PAE200654	BMA101520	48%	94.4%	97.6%
PAE200654	LPN101162	52%	98.1%	89.5%
PAE200654	PAE200654	100%	100%	100%
PAE200654	PPU100606	82%	100%	100%
PAE200654	PSY103413	78%	100%	99.1%
PAE200714	BFR11272	26%	76.1%	61.1%
PAE200714	BCE112641	28%	61.6%	55.3%
PAE200714	LPN103222	25%	28.9%	18.0%
PAE200714	PAE200714	100%	100%	100%
PAE200714	PSY109012	25%	57.9%	46.3%
PAE200714	STY105129	24%	48.1%	58.8%
PAE200714	STM100550	26%	83.3%	88.6%
PAE200714	SAU802209	26%	68.2%	61.2%
PAE200714	SPN401981	22%	52.8%	51.8%
PAE200714	VCH102350	26%	86.8%	83.3%
PAE200787	BCE107623	44%	66.3%	98.9%
PAE200787	BFU112885	47%	93.0%	95.2%
PAE200787	PAE200787	100%	100%	100%
PAE200787	PPU101463	61%	94.0%	98.2%
PAE200787	PSY102362	62%	85.9%	99.8%
PAE200787	VCH101301	60%	96.1%	98.1%
PAE200859	PAE200859	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200859	PSY103189	79%	93.6%	100%
PAE200859	VCH101476	53%	99.7%	97.5%
PAE200875	BCE101317	44%	67.2%	92.2%
PAE200875	BCE114418	59%	98.1%	98.4%
PAE200875	BFU115652	53%	97.5%	98.1%
PAE200875	BFU101358	61%	98.1%	98.7%
PAE200875	BMA101924	59%	97.5%	97.8%
PAE200875	PAE203892	68%	98.7%	97.8%
PAE200875	PAE200875	100%	100%	100%
PAE200875	PPU111797	67%	97.5%	97.1%
PAE200875	PSY101347	64%	97.5%	97.1%
PAE200881	BCE105039	71%	98.2%	99.7%
PAE200881	BFU101273	64%	98.2%	99.7%
PAE200881	BFU101687	70%	98.2%	99.7%
PAE200881	MAV101815	55%	97.5%	95.1%
PAE200881	MAV101169	55%	97.5%	97.5%
PAE200881	PAE200881	100%	100%	100%
PAE200887	CJU100684	32%	96.5%	98.8%
PAE200887	HIN101152	35%	97.3%	99.6%
PAE200887	LPN100743	21%	87.3%	88.1%
PAE200887	LPN101937	25%	86.5%	88.7%
PAE200887	LPN103487	25%	93.4%	98.3%
PAE200887	LPN103612	26%	95.8%	100%
PAE200887	LPN102814	29%	95.4%	98.4%
PAE200887	NGO100414	32%	97.3%	96.3%
PAE200887	NME201667	33%	97.3%	96.3%
PAE200887	PMU100124	37%	97.3%	99.6%
PAE200887	PRT100749	39%	96.9%	99.6%
PAE200887	PAE200887	100%	100%	100%
PAE200887	PPU108497	70%	99.2%	98.5%
PAE200887	PSY103164	69%	97.3%	99.2%
PAE200887	SMU100993	30%	91.1%	84.8%
PAE200887	SPN401352	28%	91.1%	84.5%
PAE200887	VCH101833	53%	99.2%	98.8%
PAE200933	ABA104498	45%	97.5%	95.7%
PAE200933	BAN100143	38%	97.5%	99.2%
PAE200933	BAN104454	43%	90.4%	92.2%
PAE200933	BFR11417	28%	90.4%	91.0%
PAE200933	BFR102852	32%	90.9%	91.2%
PAE200933	BPT100784	42%	97.1%	98.0%
PAE200933	BFU109134	43%	94.4%	96.8%
PAE200933	BMA102547	44%	89.7%	93.7%
PAE200933	CAC103418	37%	97.1%	99.1%
PAE200933	CDF100493	39%	90.8%	93.1%
PAE200933	CDP100429	37%	90.4%	90.2%
PAE200933	EBC100653	50%	66.0%	100%
PAE200933	ECO102724	46%	99.5%	99.5%
PAE200933	HIN100317	46%	99.5%	99.9%
PAE200933	KPN305176	46%	99.5%	99.5%
PAE200933	LPN101615	48%	99.5%	99.7%
PAE200933	LMO101019	42%	94.4%	95.7%
PAE200933	MCA102703	42%	97.5%	91.4%
PAE200933	NGO100663	42%	85.7%	86.4%
PAE200933	NME201839	40%	97.2%	93.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200933	PMU101865	50%	91.0%	92.6%
PAE200933	PRT105662	50%	90.5%	96.6%
PAE200933	PAE200933	100%	100%	100%
PAE200933	PPU104492	87%	100%	100%
PAE200933	PSY104524	88%	94.9%	99.7%
PAE200933	SPA106546	49%	90.4%	99.9%
PAE200933	STY103526	46%	99.5%	99.5%
PAE200933	SAU200831	40%	62.9%	99.4%
PAE200933	VCH102415	45%	99.5%	99.7%
PAE200933	YPS000132	47%	99.5%	99.5%
PAE200937	BFR101226	31%	12.2%	14.6%
PAE200937	BFU111116	35%	12.9%	7.5%
PAE200937	BFU110441	22%	93.7%	63.0%
PAE200937	BFU100854	22%	91.4%	61.9%
PAE200937	BFU105525	46%	65.2%	46.5%
PAE200937	BFU105499	21%	94.3%	63.6%
PAE200937	CAC101446	35%	8.8%	17.2%
PAE200937	EBC102060	21%	46.8%	58.0%
PAE200937	EBC103083	23%	93.9%	95.6%
PAE200937	ECO101986	21%	92.1%	90.8%
PAE200937	ECO100955	23%	93.0%	60.7%
PAE200937	KPN205236	22%	92.5%	61.4%
PAE200937	PAE203158	21%	93.4%	97.4%
PAE200937	PAE200937	100%	100%	100%
PAE200937	SPA109962	20%	93.0%	94.8%
PAE200937	STY103505	19%	93.0%	94.8%
PAE200937	STM101038	42%	9.7%	13.5%
PAE200937	SPN300328	41%	9.0%	17.8%
PAE200937	VCH100921	24%	90.3%	62.0%
PAE200960	PAE200960	100%	100%	100%
PAE200960	PPU108681	87%	100%	32.0%
PAE200960	PSY108388	88%	96.8%	100%
PAE201018	ABA103574	50%	92.7%	95.2%
PAE201018	ABA100187	53%	91.4%	94.3%
PAE201018	ABA104393	60%	90.9%	97.1%
PAE201018	EFM202262	29%	83.1%	95.8%
PAE201018	LMO100689	22%	89.1%	93.4%
PAE201018	PAE201018	100%	100%	100%
PAE201049	BAN103810	23%	96.8%	97.3%
PAE201049	BAN105027	24%	96.8%	95.7%
PAE201049	BPT104171	29%	58.6%	92.8%
PAE201049	CAC100096	36%	97.0%	98.3%
PAE201049	CDF103962	33%	13.0%	18.8%
PAE201049	EBC102485	35%	98.1%	98.2%
PAE201049	EFA201570	34%	94.1%	92.9%
PAE201049	EFM201338	38%	9.2%	11.9%
PAE201049	ECO100162	34%	98.1%	96.7%
PAE201049	HIN100092	31%	97.8%	99.2%
PAE201049	KPN302455	30%	93.2%	91.2%
PAE201049	KPN304182	34%	98.1%	93.8%
PAE201049	MBV105470	25%	84.3%	61.0%
PAE201049	MLP101005	39%	13.0%	11.6%
PAE201049	MTU201170	25%	83.8%	60.6%
PAE201049	PAE201049	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201049	PPU110875	50%	98.6%	99.2%
PAE201049	PSY105133	48%	98.6%	98.9%
PAE201049	SPA102655	34%	97.6%	100%
PAE201049	STY103841	34%	98.1%	98.2%
PAE201049	STM103214	34%	98.1%	98.2%
PAE201049	SPN400521	30%	22.4%	31.0%
PAE201049	SPY201519	35%	24.6%	30.1%
PAE201049	VCH103624	33%	97.6%	98.4%
PAE201049	YPS002528	34%	97.6%	98.1%
PAE201071	BPT100276	60%	98.8%	98.3%
PAE201071	BCE110485	61%	99.0%	73.1%
PAE201071	BFU101823	43%	75.1%	87.4%
PAE201071	BMA105366	45%	70.5%	49.6%
PAE201071	CJU100944	28%	74.8%	90.6%
PAE201071	EBC103800	61%	98.1%	96%
PAE201071	ECO103379	61%	98.1%	96%
PAE201071	KPN305392	57%	98.1%	96%
PAE201071	MBV101502	24%	34.8%	50.9%
PAE201071	MTU202080	24%	34.8%	44.8%
PAE201071	PAE201071	100%	100%	100%
PAE201071	PPU108646	72%	99.8%	99.8%
PAE201071	PSY107658	72%	99.8%	98.8%
PAE201071	SPA102828	60%	98.1%	100%
PAE201071	STY101281	61%	98.1%	96%
PAE201071	SMU100356	37%	74.6%	90.3%
PAE201071	SPN400661	35%	70.3%	82.7%
PAE201071	YPS000703	62%	98.1%	95.3%
PAE201101	BAN110183	26%	95.0%	96.7%
PAE201101	BAN101236	26%	95.0%	94.2%
PAE201101	BPT101088	47%	97.3%	97.9%
PAE201101	BBU100289	33%	96.7%	94.8%
PAE201101	BCE102065	50%	95.9%	97.9%
PAE201101	BFU109736	49%	96.4%	98.5%
PAE201101	BMA106485	49%	96.4%	98.5%
PAE201101	CJU100288	28%	97.3%	95.6%
PAE201101	CAC101627	31%	97.6%	97.6%
PAE201101	CBO102613	32%	97.6%	97.9%
PAE201101	CDF103872	31%	95.9%	91.0%
PAE201101	EBC103375	39%	63.9%	98.2%
PAE201101	ECO101904	44%	95.6%	97.6%
PAE201101	HPY100348	28%	95.3%	93.9%
PAE201101	LPN100162	50%	96.4%	99.1%
PAE201101	LMO100031	25%	94.7%	88.0%
PAE201101	MBV105615	31%	16.3%	36.9%
PAE201101	MTU302860	31%	16.3%	36.9%
PAE201101	PRT101679	46%	95.3%	97.0%
PAE201101	PAE201101	100%	100%	100%
PAE201101	PPU100917	85%	100%	100%
PAE201101	PSY104679	87%	100%	100%
PAE201101	SPA103596	43%	95.6%	97.6%
PAE201101	STY102811	44%	95.6%	97.6%
PAE201101	STM102557	44%	95.6%	97.6%
PAE201101	SAU103974	25%	37.9%	44.4%
PAE201101	TPA100396	34%	95.9%	92.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201101	VCH102099	58%	96.2%	93.1%
PAE201101	YPS001519	46%	97.0%	98.8%
PAE201114	BPT102842	31%	10.2%	14.9%
PAE201114	PAE201114	100%	100%	100%
PAE201114	PPU105635	60%	90.6%	95.8%
PAE201114	SPA101818	28%	18.1%	25.0%
PAE201213	BAN107739	26%	26.3%	26.8%
PAE201213	BAN103932	22%	65.2%	62.2%
PAE201213	BAN107109	25%	63.0%	76.8%
PAE201213	BAN100960	25%	63.0%	63.9%
PAE201213	BAN113506	24%	100%	99.7%
PAE201213	BPT100681	23%	89.5%	88.9%
PAE201213	BCE105004	25%	73.9%	67.5%
PAE201213	BMA107634	26%	95.9%	96.0%
PAE201213	BMA105016	28%	46.4%	44.5%
PAE201213	CAC102784	23%	46.4%	69.3%
PAE201213	CDF102844	22%	44.5%	41.3%
PAE201213	CDF103566	24%	50.2%	56.0%
PAE201213	CDP100362	22%	63.7%	60.3%
PAE201213	EBC101468	24%	62.8%	64.6%
PAE201213	ECO100657	25%	58.8%	60.1%
PAE201213	KPN301176	24%	62.8%	64.6%
PAE201213	LMO102179	21%	80.3%	80.7%
PAE201213	MAV102035	23%	99.8%	99.3%
PAE201213	MAV102951	25%	90.8%	89.0%
PAE201213	MBV100593	25%	90.8%	89.1%
PAE201213	MLP100532	24%	87.6%	82.3%
PAE201213	MTU202167	25%	90.8%	89.1%
PAE201213	PAE203457	27%	99.4%	99.8%
PAE201213	PAE202082	26%	100%	99.7%
PAE201213	PAE201213	100%	100%	100%
PAE201213	PPU102410	26%	95.1%	94.6%
PAE201213	PSY104352	26%	82.3%	82.1%
PAE201213	SPA101687	24%	62.8%	64.7%
PAE201213	STY101817	24%	62.8%	64.6%
PAE201213	VCH100974	24%	62.8%	64.6%
PAE201213	YPS001225	24%	58.8%	60.1%
PAE201214	PAE201214	100%	100%	100%
PAE201267	ABA101571	70%	99.7%	99.7%
PAE201267	BFR104350	27%	29.0%	20.0%
PAE201267	BCE100404	74%	99.4%	99.0%
PAE201267	BFU109424	64%	99.7%	98.4%
PAE201267	BMA105116	71%	99.4%	96.2%
PAE201267	PAE201267	100%	100%	100%
PAE201267	PPU108667	68%	99.4%	100%
PAE201269	ABA100407	25%	73.8%	76.7%
PAE201269	BAN107794	23%	22.5%	39.8%
PAE201269	BPT100464	31%	47.1%	96.0%
PAE201269	EBC101294	26%	74.7%	79.8%
PAE201269	ECO103170	27%	72.8%	77.3%
PAE201269	KPN302556	26%	71.6%	100%
PAE201269	NGO100793	28%	23.3%	40.8%
PAE201269	NME100236	27%	23.3%	79.5%
PAE201269	PAE203303	48%	94.8%	97.4%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201269	PAE201269	100%	100%	100%
PAE201269	PPU103463	48%	95.4%	97.9%
PAE201269	SPA106081	35%	17.7%	86.6%
PAE201269	STY101614	26%	72.8%	77.3%
PAE201269	SAU802511	20%	21.6%	23.4%
PAE201269	YPS003243	26%	73.5%	78.5%
PAE201300	MTU400006	29%	27.2%	15.1%
PAE201300	PRT104465	32%	95.1%	91.7%
PAE201300	PAE201300	100%	100%	100%
PAE201300	PPU103948	36%	94.5%	95.1%
PAE201334	BCE108299	55%	98.6%	92.7%
PAE201334	BFU109270	57%	98.6%	93.3%
PAE201334	BMA100022	56%	98.6%	93.6%
PAE201334	PAE201334	100%	100%	100%
PAE201334	PPU101491	81%	99.8%	95.9%
PAE201334	PSY105185	78%	99.8%	95.9%
PAE201357	BAN105778	52%	97.7%	94.8%
PAE201357	EFA200345	40%	92.4%	82.8%
PAE201357	LMO100185	29%	95.5%	93.3%
PAE201357	PAE201357	100%	100%	100%
PAE201357	SAU801207	39%	97.0%	95.5%
PAE201357	SEP201477	39%	97.0%	94.1%
PAE201357	SHA102134	39%	97.0%	94.8%
PAE201359	ABA100468	43%	91.2%	92.2%
PAE201359	BFU101121	37%	94.6%	93.6%
PAE201359	CTR100083	21%	62.0%	38.8%
PAE201359	CDP100085	37%	92.3%	89.9%
PAE201359	EBC100874	59%	75.8%	94.9%
PAE201359	ECO100789	63%	91.9%	92.5%
PAE201359	HIN100957	29%	53.2%	96.5%
PAE201359	KPN303560	61%	47.1%	90.9%
PAE201359	PRT102026	56%	92.3%	92.9%
PAE201359	PAE201359	100%	100%	100%
PAE201359	PPU111322	73%	99.3%	99.7%
PAE201359	PSY108044	67%	50.8%	99.3%
PAE201359	SPA101973	61%	89.6%	90.4%
PAE201359	STY102377	62%	91.9%	92.5%
PAE201359	SPN401301	25%	94.6%	91.5%
PAE201359	VCH101291	54%	91.6%	93.5%
PAE201359	YPS000331	64%	92.9%	93.6%
PAE201361	PAE202420	56%	93.5%	95.2%
PAE201361	PAE200818	88%	89.7%	91.8%
PAE201361	PAE201361	100%	100%	100%
PAE201364	ABA100603	50%	80.4%	100%
PAE201364	BFU109408	20%	83.0%	81.0%
PAE201364	NME101639	38%	37.1%	79.2%
PAE201364	PAE201364	100%	100%	100%
PAE201381	PAE201381	100%	100%	100%
PAE201397	PAE201397	100%	100%	100%
PAE201449	ABA104223	41%	90.5%	73.6%
PAE201449	BFR100551	27%	91.4%	88.3%
PAE201449	BPT105117	48%	96.2%	96%
PAE201449	BFU102990	44%	96.9%	96.8%
PAE201449	BMA108469	39%	95.0%	96.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201449	CAC102900	41%	11.5%	34.5%
PAE201449	CDF104552	56%	5.0%	1.8%
PAE201449	CDF102075	58%	8.6%	4.6%
PAE201449	EFA202220	25%	92.6%	91.1%
PAE201449	EFA201348	28%	84.7%	67.8%
PAE201449	ECO102718	42%	90.5%	85.0%
PAE201449	HIN101592	29%	21.0%	34.9%
PAE201449	MCA101084	33%	90.9%	71.0%
PAE201449	PMU100783	37%	89.5%	86.6%
PAE201449	PRT104476	52%	83.8%	92.7%
PAE201449	PAE200535	37%	96.7%	99.1%
PAE201449	PAE201450	43%	93.1%	85.2%
PAE201449	PAE201449	100%	100%	100%
PAE201449	PSY103957	33%	38.2%	67.1%
PAE201449	SPA102216	26%	37.5%	28.9%
PAE201449	STY101380	26%	37.5%	28.6%
PAE201449	SMU101492	62%	6.7%	3.6%
PAE201449	SPY100910	67%	7.2%	19.7%
PAE201449	TPA100555	30%	96.7%	98.2%
PAE201449	YPS002265	64%	6.7%	4.7%
PAE201461	KPN207142	32%	58.4%	41.2%
PAE201461	PAE201461	100%	100%	100%
PAE201461	PPU100210	80%	98.9%	100%
PAE201461	PSY104623	80%	100%	100%
PAE201461	SPA100137	31%	58.4%	65.8%
PAE201461	SEP100718	48%	11.8%	59.0%
PAE201461	VCH102029	52%	96.2%	97.3%
PAE201492	BFU105208	57%	96.4%	98.5%
PAE201492	CBO100983	25%	31.3%	35.7%
PAE201492	KPN104425	48%	96.1%	94.7%
PAE201492	MCA103697	51%	91.3%	84.1%
PAE201492	NGO101205	55%	91.3%	86.5%
PAE201492	NME201144	57%	91.3%	86.6%
PAE201492	PAE201492	100%	100%	100%
PAE201492	PPU107183	83%	99.4%	100%
PAE201492	PSY101812	84%	99.1%	99.1%
PAE201492	VCH100528	45%	98.8%	98.2%
PAE201546	CJU101409	29%	71.8%	73.5%
PAE201546	CAC102412	28%	88.5%	31.6%
PAE201546	CBO100775	30%	87.2%	31.4%
PAE201546	CDP100802	25%	96.0%	86.7%
PAE201546	HPY100848	27%	92.5%	81.7%
PAE201546	MCA100218	35%	91.2%	74.1%
PAE201546	MAV100546	28%	47.6%	24.0%
PAE201546	MBV103199	32%	59.9%	51.7%
PAE201546	MLP101432	32%	59.9%	51.1%
PAE201546	MTU200524	32%	59.9%	51.7%
PAE201546	NGO102048	44%	91.6%	87.5%
PAE201546	NME200893	43%	91.6%	94.6%
PAE201546	PAE201546	100%	100%	100%
PAE201546	PPU107249	84%	99.1%	94.1%
PAE201546	PSY104596	81%	100%	100%
PAE201546	VCH101414	42%	93.4%	94.6%
PAE201633	ABA101353	57%	93.9%	95.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201633	BAN101555	43%	94.5%	97.9%
PAE201633	BAN105989	54%	98.7%	98.3%
PAE201633	BFR10818	56%	94.6%	97.1%
PAE201633	BPT102676	59%	95.8%	94.9%
PAE201633	BFU100454	56%	53.9%	95.1%
PAE201633	BMA100646	58%	97.1%	96.1%
PAE201633	CJU100628	55%	94.2%	96.0%
PAE201633	CAC103333	55%	94.9%	96.6%
PAE201633	CDF103879	56%	95.2%	96.9%
PAE201633	EBC100702	59%	53.9%	99.7%
PAE201633	EFA201049	58%	95.5%	99.3%
PAE201633	ECO100680	60%	95.2%	97.5%
PAE201633	KPN302573	61%	95.8%	98.1%
PAE201633	LMO102824	58%	95.8%	99.1%
PAE201633	MAV101812	59%	95.5%	95.0%
PAE201633	MBV104268	62%	95.7%	95.3%
PAE201633	MTU201019	62%	95.7%	95.2%
PAE201633	PRT102410	58%	95.2%	98.0%
PAE201633	PAE201633	100%	100%	100%
PAE201633	PPU106277	83%	95.5%	100%
PAE201633	PSY105755	82%	99.3%	99.4%
PAE201633	SPA100439	48%	92.5%	99.1%
PAE201633	STY101874	62%	16.1%	0.7%
PAE201633	SAU802076	54%	94.5%	97.2%
PAE201633	SAU800073	53%	95.1%	97.8%
PAE201633	SEP200654	53%	95.1%	97.8%
PAE201633	YPS001489	62%	95.9%	98.3%
PAE201635	ABA101349	41%	98.2%	98.9%
PAE201635	BAN104051	34%	36.7%	89.6%
PAE201635	BAN104418	35%	39.2%	90.4%
PAE201635	BFR104660	38%	36.0%	86.1%
PAE201635	BPT102680	39%	96.5%	97.9%
PAE201635	BCE105311	53%	31.1%	96.5%
PAE201635	BFU106362	36%	99.0%	96.4%
PAE201635	BMA109180	37%	95.4%	96.5%
PAE201635	CJU100629	29%	64.4%	94.2%
PAE201635	CAC102578	32%	95.3%	96%
PAE201635	CDF101510	31%	96.4%	97.2%
PAE201635	EBC100704	60%	20.3%	94.7%
PAE201635	EFA201043	31%	95.9%	96.9%
PAE201635	ECO100678	37%	99.1%	98.8%
PAE201635	KPN302576	39%	98.8%	98.4%
PAE201635	LMO102587	34%	98.4%	99.1%
PAE201635	MAV100685	34%	95.9%	97.1%
PAE201635	MBV105633	32%	96.3%	95.1%
PAE201635	MTU201017	32%	96.3%	96.3%
PAE201635	PRT102408	36%	98.9%	98.3%
PAE201635	PAE201635	100%	100%	100%
PAE201635	PPU106251	77%	99.1%	99.3%
PAE201635	PSY105757	75%	99.1%	98.8%
PAE201635	SPA101261	36%	95.7%	96.9%
PAE201635	STY101872	38%	99.1%	98.8%
PAE201635	SAU802078	25%	93.9%	95.4%
PAE201635	SEP200656	25%	96.7%	95.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201635	VCH103256	29%	49.8%	87.5%
PAE201635	YPS001482	38%	98.4%	96.8%
PAE201647	BCE113538	47%	100%	98.8%
PAE201647	BMA108377	46%	100%	70.8%
PAE201647	MAV106640	49%	98.5%	97.6%
PAE201647	PAE201647	100%	100%	100%
PAE201647	PPU108291	75%	99.4%	99.7%
PAE201647	PSY104709	72%	83.5%	99.6%
PAE201647	SEP202022	46%	98.5%	98.5%
PAE201672	ABA100715	42%	92.2%	95.4%
PAE201672	BFU104942	21%	89.5%	78.0%
PAE201672	BFU103546	25%	89.5%	77.0%
PAE201672	CJU100214	23%	71.2%	83.5%
PAE201672	CJU101149	25%	75.2%	58.3%
PAE201672	CJU100045	22%	87.6%	62.1%
PAE201672	CAC103605	28%	79.1%	98.4%
PAE201672	CBO102253	28%	77.1%	90.5%
PAE201672	PAE201672	100%	100%	100%
PAE201682	BAN112162	33%	84.4%	94.5%
PAE201682	BAN100690	35%	96.6%	93.9%
PAE201682	BCE114068	34%	48.8%	46.2%
PAE201682	BFU110729	34%	50.2%	45.9%
PAE201682	BMA109731	33%	51.7%	48.8%
PAE201682	CAC101794	25%	90.7%	80.7%
PAE201682	CDF100738	23%	90.7%	81.6%
PAE201682	EBC102624	49%	100%	99.5%
PAE201682	EFA201423	27%	83.9%	74.2%
PAE201682	EFM200476	27%	87.3%	78.0%
PAE201682	ECO104088	26%	90.7%	81.6%
PAE201682	HIN100992	38%	47.3%	45.7%
PAE201682	KPN303365	46%	91.7%	93.1%
PAE201682	MAV102060	33%	47.3%	45.6%
PAE201682	PMU101364	33%	88.8%	82.4%
PAE201682	PAE201682	100%	100%	100%
PAE201682	PSY104696	83%	96.1%	96.6%
PAE201682	SPA102204	26%	90.7%	81.6%
PAE201682	STY103805	27%	90.7%	81.6%
PAE201682	STM103607	27%	90.7%	81.6%
PAE201682	SPN401842	26%	89.8%	79.5%
PAE201682	SPY200134	24%	89.8%	79.5%
PAE201682	VCH102977	25%	96.6%	87.0%
PAE201682	YPS000930	29%	91.2%	82.3%
PAE201683	BAN105931	34%	77.3%	87.6%
PAE201683	BAN103772	33%	81.8%	88.7%
PAE201683	EBC102621	59%	98.9%	99.4%
PAE201683	KPN303367	58%	98.9%	99.4%
PAE201683	LMO102700	24%	35.9%	46.3%
PAE201683	PAE201683	100%	100%	100%
PAE201683	PPU108285	39%	97.2%	96.6%
PAE201683	PSY108358	76%	100%	100%
PAE201694	ABA103532	92%	8.7%	17.7%
PAE201694	CPN201070	29%	27.4%	38.2%
PAE201694	CBO100345	57%	11.9%	20%
PAE201694	LMO101803	51%	9.8%	7.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201694	LMO101190	37%	6.2%	6.2%
PAE201694	MLP101111	27%	42.3%	15.9%
PAE201694	PAE201694	100%	100%	100%
PAE201694	TPA100365	26%	27.4%	36.4%
PAE201697	BPT100654	28%	89.6%	65.8%
PAE201697	KPN300973	31%	23.6%	93.3%
PAE201697	MTU400863	29%	41.7%	44.7%
PAE201697	PAE201697	100%	100%	100%
PAE201697	VCH100957	26%	34.7%	33.2%
PAE201789	ABA102113	50%	92.3%	92.5%
PAE201789	EBC102941	41%	96.1%	98.0%
PAE201789	KPN303487	40%	85.5%	97.4%
PAE201789	LPN102511	47%	95.2%	93.4%
PAE201789	MCA103692	47%	98.1%	84.6%
PAE201789	MAV102620	29%	45.9%	38.9%
PAE201789	MBV103483	29%	45.9%	40.3%
PAE201789	MTU203167	29%	45.9%	40.3%
PAE201789	PAE201789	100%	100%	100%
PAE201789	PPU106435	67%	98.6%	99.5%
PAE201789	PSY101610	64%	97.6%	97.6%
PAE201789	SPA102325	40%	95.7%	91.1%
PAE201789	STY103981	40%	95.7%	96.9%
PAE201789	STM104132	40%	95.7%	91.1%
PAE201789	VCH101880	42%	95.7%	95.3%
PAE201862	ABA101047	27%	99.2%	96.2%
PAE201862	BAN105541	21%	88.4%	96.6%
PAE201862	BAN109939	23%	89.6%	87.5%
PAE201862	BPT100554	71%	100%	100%
PAE201862	BCE105757	25%	98.8%	95.1%
PAE201862	BFU115748	27%	98.0%	98.4%
PAE201862	BMA106581	26%	98.4%	79.9%
PAE201862	CJU100272	30%	90.8%	92.0%
PAE201862	CAC101989	22%	94.4%	86.7%
PAE201862	CBO100532	25%	90.0%	83.0%
PAE201862	CDF103805	25%	90.0%	79.7%
PAE201862	EBC103502	30%	95.2%	94.6%
PAE201862	EFA202342	22%	96.8%	93.6%
PAE201862	ECO100739	30%	96.0%	95.3%
PAE201862	HIN101658	26%	98.0%	98.0%
PAE201862	HPY100469	38%	95.2%	95.5%
PAE201862	KPN305282	30%	95.6%	93.8%
PAE201862	LMO102303	24%	89.6%	87.1%
PAE201862	MCA103664	25%	100%	99.6%
PAE201862	MAV103940	25%	70.5%	68.2%
PAE201862	PMU100744	28%	96.4%	95.7%
PAE201862	PRT106098	27%	92.8%	91.8%
PAE201862	PAE201862	100%	100%	100%
PAE201862	PPU110058	78%	99.6%	99.6%
PAE201862	PSY105311	78%	97.2%	96.5%
PAE201862	SPA101802	28%	95.2%	94.5%
PAE201862	STY101969	30%	95.2%	94.6%
PAE201862	STM102049	30%	95.2%	94.6%
PAE201862	SAU702154	30%	89.6%	83.8%
PAE201862	SEP200352	27%	90.4%	84.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201862	SHA101556	30%	90.4%	83.3%
PAE201862	VCH103447	28%	99.6%	97.6%
PAE201862	YPS002108	29%	94.8%	92.7%
PAE201867	ABA103715	38%	81.4%	91.7%
PAE201867	CJU101390	28%	23.7%	40.9%
PAE201867	CPN200043	24%	71.5%	65.8%
PAE201867	CTR200045	27%	71.5%	90.0%
PAE201867	ECO103248	35%	78.5%	96.0%
PAE201867	KPN308865	34%	73.1%	88.0%
PAE201867	LPN100793	29%	72.9%	77.1%
PAE201867	MAV106092	31%	20.1%	51.4%
PAE201867	PAE203103	62%	79.3%	96.0%
PAE201867	PAE201867	100%	100%	100%
PAE201867	PPU112123	35%	73.3%	89.0%
PAE201867	YPS002899	30%	72.8%	88.1%
PAE201875	ABA100500	40%	88.8%	90.6%
PAE201875	BCE108691	42%	79.7%	89.8%
PAE201875	EBC104864	37%	91.8%	98.1%
PAE201875	ECO200539	41%	86.9%	87.8%
PAE201875	KPN203259	36%	89.9%	91.5%
PAE201875	LPN103614	37%	94.9%	99.1%
PAE201875	PRT103866	36%	86.2%	98.4%
PAE201875	PAE201875	100%	100%	100%
PAE201875	PPU104158	40%	89.2%	89.9%
PAE201875	SPA103678	34%	69.8%	94.4%
PAE201875	STY102615	39%	92.1%	93.3%
PAE201875	STM102511	39%	92.1%	92.3%
PAE201875	VCH103799	36%	95.3%	99.0%
PAE201916	BPT100584	59%	98.7%	96.5%
PAE201916	MBV100692	29%	29.8%	35.8%
PAE201916	MTU203452	29%	29.8%	35.8%
PAE201916	PAE201916	100%	100%	100%
PAE201949	BCE111412	37%	12.1%	15.9%
PAE201949	BFU100745	41%	86.2%	100%
PAE201949	NGO101993	23%	43.7%	53.8%
PAE201949	NME200998	24%	43.7%	53.6%
PAE201949	PAE201949	100%	100%	100%
PAE201949	PPU105633	63%	100%	100%
PAE201962	BAN100882	53%	87.9%	94.7%
PAE201962	BAN109532	49%	98.1%	63.2%
PAE201962	BFR10176	43%	99.0%	43.8%
PAE201962	BPT100336	66%	98.7%	39.5%
PAE201962	BBU100741	44%	99.4%	41.9%
PAE201962	BCE107353	67%	98.7%	42.0%
PAE201962	BFU101573	67%	98.7%	44.0%
PAE201962	BMA103267	67%	98.7%	44.0%
PAE201962	CJU100394	41%	98.5%	44%
PAE201962	CPN200741	42%	97.7%	42.5%
PAE201962	CTR200617	44%	97.5%	42.4%
PAE201962	CAC102468	47%	99.0%	44.6%
PAE201962	CBO103433	45%	99.0%	44.7%
PAE201962	CDF100968	43%	99.0%	43.6%
PAE201962	EBC102343	73%	98.7%	43.9%
PAE201962	EFA200654	47%	99.0%	43.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201962	EFM100463	47%	99.0%	48.0%
PAE201962	ECO100796	74%	98.7%	44.0%
PAE201962	HPY100840	44%	98.3%	43.7%
PAE201962	KPN302739	73%	98.7%	44.0%
PAE201962	LMO100778	47%	99.0%	44.1%
PAE201962	NGO100212	65%	98.7%	43.0%
PAE201962	NME201287	65%	98.7%	43.0%
PAE201962	PRT100022	72%	98.7%	43.8%
PAE201962	PAE201962	100%	100%	100%
PAE201962	PPU110733	87%	98.7%	44.1%
PAE201962	PSY102530	86%	99.6%	99.6%
PAE201962	SPA102072	72%	98.7%	43.9%
PAE201962	STY102394	73%	98.7%	43.9%
PAE201962	STM102165	73%	98.7%	44.0%
PAE201962	SAU801392	46%	99.0%	44.1%
PAE201962	SEP202098	46%	99.0%	43.9%
PAE201962	SHA100965	46%	99.0%	44.0%
PAE201962	SMU101414	48%	99.0%	43.6%
PAE201962	SPN402032	49%	99.0%	43.5%
PAE201962	SPY201692	49%	99.0%	43.6%
PAE201962	TPA100829	41%	98.1%	41.5%
PAE201962	VCH101496	72%	98.5%	43.8%
PAE201962	YPS002248	74%	98.7%	43.9%
PAE201984	ABA101046	59%	100%	100%
PAE201984	BCE110476	54%	100%	100%
PAE201984	BFU114715	58%	100%	100%
PAE201984	KPN303125	62%	100%	98.4%
PAE201984	PAE201984	100%	100%	100%
PAE201984	PPU105114	73%	100%	100%
PAE201984	PSY103348	73%	100%	100%
PAE202012	ABA104264	69%	99.4%	99.4%
PAE202012	BAN109082	33%	89.3%	93.8%
PAE202012	BAN113157	34%	91.6%	94.3%
PAE202012	BPT100027	69%	100%	99.6%
PAE202012	BCE102114	66%	83.4%	80.1%
PAE202012	BFU108040	55%	100%	100%
PAE202012	BFU100939	70%	100%	100%
PAE202012	BMA109362	69%	100%	100%
PAE202012	CDP101007	32%	94.6%	96.9%
PAE202012	LPN103200	72%	39.1%	100%
PAE202012	MAV101872	53%	100%	100%
PAE202012	MBV101169	68%	92.9%	94.0%
PAE202012	MLP100443	33%	94.8%	94.0%
PAE202012	MTU202465	69%	92.9%	94.0%
PAE202012	PAE202012	100%	100%	100%
PAE202012	PPU109611	85%	100%	100%
PAE202012	PSY102524	84%	100%	100%
PAE202015	BFU102868	24%	74.4%	32.7%
PAE202015	ECO104222	31%	81.9%	75.9%
PAE202015	MAV106780	29%	32.0%	11.0%
PAE202015	PAE200326	53%	99.4%	95.6%
PAE202015	PAE202015	100%	100%	100%
PAE202015	PPU102698	49%	94.8%	97%
PAE202015	PSY101958	50%	97.4%	94.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202015	SPA109618	35%	94.5%	95.3%
PAE202015	SPA103949	33%	95.5%	96.2%
PAE202015	STY104382	35%	94.5%	95.4%
PAE202015	STY102402	33%	95.5%	91.4%
PAE202015	STM103048	33%	95.5%	91.4%
PAE202034	BFU100470	32%	32.4%	23.6%
PAE202034	BFU100218	37%	22.5%	16.3%
PAE202034	BFU108912	35%	22.5%	11.6%
PAE202034	PAE202034	100%	100%	100%
PAE202081	BFU112826	41%	99.5%	98.4%
PAE202081	PRT103731	35%	13.4%	21.9%
PAE202081	PAE202081	100%	100%	100%
PAE202099	BAN102239	27%	84.5%	89.2%
PAE202099	BAN102229	26%	84.5%	83.6%
PAE202099	BPT101798	25%	92.6%	92.2%
PAE202099	BMA107036	22%	99.3%	97.4%
PAE202099	CPN201045	22%	93.2%	92.8%
PAE202099	HIN100668	23%	74.7%	77.0%
PAE202099	KPN104728	40%	96.3%	90.5%
PAE202099	PAE202099	100%	100%	100%
PAE202099	SPA107137	37%	96.3%	93.8%
PAE202099	STY102110	37%	96.3%	93.8%
PAE202099	STM101956	37%	96.3%	93.8%
PAE202099	SAU502913	21%	66.2%	30.3%
PAE202107	BFU112376	30%	65.8%	23.6%
PAE202107	PAE202107	100%	100%	100%
PAE202126	BCE102426	31%	94.0%	82.2%
PAE202126	BFU103301	27%	91.8%	95.7%
PAE202126	BFU103226	34%	77.6%	85.5%
PAE202126	BFU103244	31%	93.4%	92.5%
PAE202126	EBC101693	34%	91.8%	93.3%
PAE202126	ECO201353	41%	91.8%	93.5%
PAE202126	KPN304723	31%	83.1%	91.9%
PAE202126	PRT103407	34%	95.1%	95.5%
PAE202126	PAE202126	100%	100%	100%
PAE202126	PSY103442	32%	81.4%	95%
PAE202126	SPA102574	32%	95.6%	96.1%
PAE202126	STY104474	32%	95.6%	96.1%
PAE202126	STM101008	27%	94.0%	91.9%
PAE202126	YPS002444	40%	85.2%	86.4%
PAE202126	YPS001577	43%	94.5%	97.7%
PAE202145	ABA103947	60%	98.4%	100%
PAE202145	BAN112207	48%	80.0%	84.9%
PAE202145	BAN103415	54%	95.5%	99.8%
PAE202145	BFU104726	62%	100%	100%
PAE202145	EBC102119	59%	99.2%	94.4%
PAE202145	ECO101700	59%	96.8%	91.9%
PAE202145	KPN302795	60%	96.8%	92.0%
PAE202145	MAV104721	54%	99.6%	99.0%
PAE202145	PAE202145	100%	100%	100%
PAE202145	PPU100583	66%	99.0%	98.7%
PAE202145	PSY101358	66%	80.3%	100%
PAE202145	SPA101365	60%	92.9%	99.4%
PAE202145	STY101168	59%	96.9%	92.4%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202179	BPT100861	26%	81.7%	66.8%
PAE202179	BCE112269	24%	76.9%	76.5%
PAE202179	BFU106609	24%	74.5%	72.4%
PAE202179	BMA107163	23%	76.9%	76.5%
PAE202179	CDP101257	29%	75.3%	77.7%
PAE202179	EBC101642	26%	74.3%	75.7%
PAE202179	ECO100571	26%	74.3%	75.3%
PAE202179	KPN304370	25%	74.3%	75.5%
PAE202179	LPN100959	24%	75.3%	74.2%
PAE202179	MAV107016	31%	94.7%	91.0%
PAE202179	MBV102463	32%	73.2%	77.5%
PAE202179	MTU200432	32%	73.5%	73.4%
PAE202179	PAE202179	100%	100%	100%
PAE202179	PPU108029	43%	93.4%	96.7%
PAE202179	SPA102297	25%	73.5%	75.3%
PAE202179	STY101350	25%	74.3%	75.3%
PAE202194	ABA101377	44%	95.4%	92.1%
PAE202194	ABA101956	47%	96.9%	94.5%
PAE202194	BAN109383	33%	41.8%	38.4%
PAE202194	BAN109065	33%	41.8%	64.3%
PAE202194	BPT101145	27%	93.8%	91.3%
PAE202194	BCE107854	56%	96.9%	97.9%
PAE202194	BMA109618	50%	95.9%	93.5%
PAE202194	EBC100765	47%	92.3%	90.5%
PAE202194	ECO101619	43%	98.5%	96.5%
PAE202194	KPN300457	48%	87.1%	97.1%
PAE202194	PAE202194	100%	100%	100%
PAE202194	PPU100577	74%	99.0%	97.5%
PAE202194	PSY102130	45%	54.6%	99.0%
PAE202194	SPA102312	48%	26.8%	92.9%
PAE202194	STY100603	43%	98.5%	96.5%
PAE202194	SHA103035	28%	36.1%	39.0%
PAE202194	YPS002939	44%	96.4%	94.5%
PAE202195	ABA101379	72%	33.3%	82.7%
PAE202195	BFU101504	48%	97.7%	97.9%
PAE202195	BMA105219	67%	99.7%	99.4%
PAE202195	EBC101789	79%	75.7%	98.9%
PAE202195	ECO101420	73%	99.7%	91.5%
PAE202195	KPN304015	72%	99.7%	99.7%
PAE202195	PAE202195	100%	100%	100%
PAE202195	PPU103733	81%	99.7%	100%
PAE202195	SPA100754	73%	99.7%	98.3%
PAE202195	STY103772	73%	100%	100%
PAE202195	SAU802187	44%	96.8%	98.8%
PAE202220	PAE202220	100%	100%	100%
PAE202225	PAE202586	43%	97.5%	93.9%
PAE202225	PAE202225	100%	100%	100%
PAE202225	YPS001534	29%	30.5%	34.0%
PAE202311	CAC101792	25%	53.4%	38.4%
PAE202311	LMO101825	26%	71.6%	20.4%
PAE202311	PAE202311	100%	100%	100%
PAE202311	PSY100258	57%	98.5%	100%
PAE202350	BAN101197	30%	82.4%	85.6%
PAE202350	BAN112395	31%	82.4%	85.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202350	EFA201725	33%	39.2%	53.2%
PAE202350	EFM200136	34%	39.2%	53.9%
PAE202350	MAV103895	34%	52%	64.3%
PAE202350	MBV102482	32%	52%	63.4%
PAE202350	MLP100054	33%	52%	64.6%
PAE202350	MTU203787	32%	52%	63.9%
PAE202350	MGE100299	35%	29.6%	38.9%
PAE202350	PAE202350	100%	100%	100%
PAE202350	PSY104146	68%	96%	93.2%
PAE202350	SAU800959	32%	90.1%	90.9%
PAE202350	SEP200166	33%	81.1%	69.6%
PAE202350	SHA101570	34%	81.1%	75.2%
PAE202350	SMU101565	32%	38.7%	52.8%
PAE202364	ABA100352	55%	96.0%	96.3%
PAE202364	BCE102797	56%	99.0%	98.8%
PAE202364	KPN105149	49%	25.3%	97.6%
PAE202364	MAV108739	30%	14.8%	21.8%
PAE202364	PAE202364	100%	100%	100%
PAE202364	PPU106161	59%	98.6%	98.4%
PAE202364	UUR100480	29%	15.6%	12.2%
PAE202390	PAE202390	100%	100%	100%
PAE202390	PPU103106	61%	96.7%	99.2%
PAE202390	PSY102936	62%	98.3%	98.9%
PAE202390	STM100417	28%	13.1%	18.1%
PAE202396	ABA100599	34%	86.9%	99.0%
PAE202396	BPT102644	38%	85.3%	94.6%
PAE202396	ECO101075	34%	86.4%	96.3%
PAE202396	NGO101542	31%	83.4%	95.6%
PAE202396	NME200532	31%	83.4%	95.6%
PAE202396	PAE202396	100%	100%	100%
PAE202396	PSY102921	35%	85.0%	93.0%
PAE202396	PSY102918	36%	96.6%	98.7%
PAE202396	SPA101792	31%	50.9%	96.1%
PAE202396	YPS002953	36%	82.9%	90.4%
PAE202397	ABA102315	29%	2.7%	82.1%
PAE202397	BAN113579	34%	35.6%	98.0%
PAE202397	BAN105122	25%	84.9%	77.9%
PAE202397	BAN101449	37%	19.4%	68.1%
PAE202397	BAN110486	35%	85.9%	42.9%
PAE202397	BFR10464	28%	65.0%	91.7%
PAE202397	BCE107702	32%	9.1%	18.4%
PAE202397	BCE107762	35%	67.6%	46.1%
PAE202397	BFU114880	36%	67.6%	18.4%
PAE202397	BFU114207	39%	88.6%	66.3%
PAE202397	BMA100299	27%	8.0%	51.2%
PAE202397	BMA107341	34%	37.7%	98.7%
PAE202397	BMA109153	31%	85.2%	99.5%
PAE202397	BMA103931	38%	87.9%	64.2%
PAE202397	BMA108540	38%	91.0%	74.3%
PAE202397	CJU101231	25%	63.2%	94.4%
PAE202397	CBO101685	27%	20.4%	88.4%
PAE202397	EBC101709	30%	1.3%	96.1%
PAE202397	EFA200814	30%	23.0%	97.0%
PAE202397	EFM201145	29%	63.9%	97.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202397	KPN300374	29%	37.5%	89.9%
PAE202397	KPN304828	30%	0.6%	82.8%
PAE202397	LPN101088	34%	16.8%	45.0%
PAE202397	LMO100987	28%	63.8%	97.6%
PAE202397	MBV104734	35%	18.5%	59.3%
PAE202397	MTU200101	35%	18.5%	59.3%
PAE202397	PRT103983	23%	24.9%	87.1%
PAE202397	PAE202397	100%	100%	100%
PAE202397	PPU103141	44%	84.9%	46.0%
PAE202397	PPU101236	50%	87.5%	3.0%
PAE202397	PSY100319	49%	47.3%	28.3%
PAE202397	PSY107058	41%	8.9%	89.5%
PAE202397	PSY107996	36%	6.9%	96.8%
PAE202397	PSY102915	36%	43.9%	88.5%
PAE202397	PSY108115	44%	84.9%	81.6%
PAE202397	PSY106622	37%	86.4%	49.3%
PAE202397	PSY104787	39%	88.5%	1.3%
PAE202397	PSY102909	42%	60.5%	99.4%
PAE202397	PSY102912	56%	88.2%	1.1%
PAE202397	SPA100043	31%	29.7%	98.8%
PAE202397	SAU800179	31%	25.6%	68.3%
PAE202397	SEP202199	32%	69.9%	26.4%
PAE202397	SMU100385	25%	1.1%	97.4%
PAE202397	SMU100382	27%	86.4%	49.1%
PAE202397	SPN302037	26%	23.0%	96.7%
PAE202397	SPY201011	27%	62.9%	93.6%
PAE202400	ABA102315	31%	48.6%	74.4%
PAE202400	BAN113579	32%	16.8%	97.5%
PAE202400	BAN101449	33%	40.0%	69.1%
PAE202400	BAN105122	26%	26.3%	24.3%
PAE202400	BAN110486	34%	67.3%	38.2%
PAE202400	BFR10464	29%	89.0%	96.5%
PAE202400	BCE107762	38%	53.2%	97.9%
PAE202400	BCE107702	40%	60.8%	32.5%
PAE202400	BFU114207	35%	85.6%	87.0%
PAE202400	BFU114880	38%	11.5%	28.5%
PAE202400	BMA107816	30%	26.0%	80.8%
PAE202400	BMA107341	41%	31.9%	98.5%
PAE202400	BMA103931	35%	21.2%	99.0%
PAE202400	BMA108540	40%	2.4%	10.2%
PAE202400	BMA109153	35%	0.8%	99.5%
PAE202400	CJU101231	27%	38.1%	96.4%
PAE202400	CBO101685	25%	38.8%	88.9%
PAE202400	EBC101709	33%	25.1%	24%
PAE202400	EFA200814	30%	38.1%	96.4%
PAE202400	EFM201145	28%	11.3%	93.7%
PAE202400	KPN300374	54%	80.1%	62.0%
PAE202400	KPN304828	33%	24.0%	20.2%
PAE202400	LPN101088	40%	40.9%	44.2%
PAE202400	LMO100987	32%	38.0%	96.3%
PAE202400	MBV104734	35%	58.3%	17.3%
PAE202400	MTU200101	35%	58.3%	17.3%
PAE202400	PRT103983	25%	37.9%	93.5%
PAE202400	PAE202400	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202400	PPU103141	39%	68.8%	45.7%
PAE202400	PPU101236	47%	39.5%	4.7%
PAE202400	PSY100319	53%	17.5%	47.0%
PAE202400	PSY107996	37%	53.1%	99.9%
PAE202400	PSY107058	51%	94.2%	86.4%
PAE202400	PSY108115	43%	31.7%	97.8%
PAE202400	PSY106622	39%	69.5%	49.3%
PAE202400	PSY104787	38%	69.3%	61.0%
PAE202400	PSY102909	44%	87.5%	58.4%
PAE202400	PSY102912	47%	3.8%	26.3%
PAE202400	PSY102915	46%	0.1%	88.5%
PAE202400	SPA100043	47%	83.7%	86.4%
PAE202400	SAU800179	30%	10.7%	65.6%
PAE202400	SEP202199	31%	10.7%	65.2%
PAE202400	SMU100382	24%	68.9%	47.5%
PAE202400	SMU100385	25%	28.6%	98.7%
PAE202400	SPN302037	26%	11.0%	96.1%
PAE202400	SPY201011	27%	11.3%	93.6%
PAE202409	ABA102876	27%	86.2%	89.8%
PAE202409	PAE202409	100%	100%	100%
PAE202409	PPU104342	65%	92.5%	98.3%
PAE202409	SMU100397	26%	87.0%	93.3%
PAE202422	CDF101294	27%	74.6%	55.7%
PAE202422	CDP100588	34%	95.1%	80.5%
PAE202422	MBV102622	33%	0.6%	92.3%
PAE202422	MLP100098	35%	95.5%	72.4%
PAE202422	MTU202344	33%	0.8%	97.7%
PAE202422	PAE202422	100%	100%	100%
PAE202422	PPU105003	70%	100%	100%
PAE202422	PSY102925	72%	33.1%	98.8%
PAE202422	SHA100310	28%	13.7%	94.8%
PAE202422	VCH101555	28%	74.4%	80.9%
PAE202459	BFR10882	32%	62.3%	29.0%
PAE202459	BMA108999	26%	78.6%	40.2%
PAE202459	BMA101805	33%	45.3%	45.8%
PAE202459	CAC102639	26%	80.5%	67.5%
PAE202459	CBO101057	25%	65.4%	42.5%
PAE202459	CDF103411	31%	87.4%	48.0%
PAE202459	EFA200376	23%	82.4%	45.5%
PAE202459	EFM201063	16%	54.1%	62.4%
PAE202459	ECO103932	28%	64.8%	23.3%
PAE202459	LMO100095	26%	74.8%	32.5%
PAE202459	PAE202459	100%	100%	100%
PAE202468	BCE103286	68%	87.0%	55.8%
PAE202468	BFU102051	60%	97.7%	98.9%
PAE202468	CBO103586	23%	63.5%	58.5%
PAE202468	ECO203042	60%	97.7%	99.1%
PAE202468	PAE202468	100%	100%	100%
PAE202468	PSY101139	27%	28.9%	52.8%
PAE202468	SPA101358	60%	98.0%	98.6%
PAE202468	STY104243	60%	98.0%	98.6%
PAE202486	BCE110592	41%	87.0%	79.5%
PAE202486	BFU102678	41%	90.9%	85.8%
PAE202486	BMA105923	42%	92.9%	73.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202486	CDF102197	37%	35.8%	28.5%
PAE202486	CDP102565	34%	55.9%	49.8%
PAE202486	EBC102081	38%	87.4%	92.7%
PAE202486	KPN306992	45%	94.1%	84.1%
PAE202486	PAE202486	100%	100%	100%
PAE202492	ABA105864	67%	99.1%	98.9%
PAE202492	BFR10769	46%	98.2%	99.1%
PAE202492	BCE103998	64%	97.9%	97.3%
PAE202492	BFU112051	65%	98.0%	47.1%
PAE202492	BMA105073	64%	97.9%	97.7%
PAE202492	CJU100334	40%	98.7%	99.4%
PAE202492	EBC100804	59%	93.0%	57.0%
PAE202492	KPN300113	69%	4.0%	89.4%
PAE202492	KPN300333	55%	13.4%	83.1%
PAE202492	KPN304436	61%	98.6%	99.2%
PAE202492	LPN101626	50%	98.0%	98.9%
PAE202492	PAE202492	100%	100%	100%
PAE202492	PPU105312	88%	100%	100%
PAE202492	PSY102097	85%	100%	99.7%
PAE202492	YPS001065	41%	99.1%	99.7%
PAE202494	BAN106081	37%	25.1%	25%
PAE202494	BAN104525	19%	93.6%	97.7%
PAE202494	BCE101872	35%	94.2%	79.5%
PAE202494	KPN307509	32%	93.0%	87.8%
PAE202494	PAE202494	100%	100%	100%
PAE202495	ABA103701	44%	80.1%	81.6%
PAE202495	BPT102193	65%	97.3%	97.6%
PAE202495	BFU103699	47%	89.0%	91.5%
PAE202495	PAE202495	100%	100%	100%
PAE202495	PSY105245	38%	90.1%	89.7%
PAE202495	SPA100981	35%	83.9%	96.4%
PAE202495	STY100630	37%	90.1%	83.3%
PAE202582	ABA100413	53%	96.2%	95.4%
PAE202582	BAN105779	33%	89.2%	92.2%
PAE202582	BAN111288	37%	88.2%	90.1%
PAE202582	BPT102887	52%	95.2%	95.3%
PAE202582	BBU100720	29%	91.4%	76.1%
PAE202582	BCE105319	48%	95.7%	95.4%
PAE202582	BFU105259	47%	95.7%	82.7%
PAE202582	BMA108976	47%	95.7%	94.9%
PAE202582	CJU100993	38%	92.5%	93.3%
PAE202582	CPN200895	33%	75.3%	69.4%
PAE202582	CTR200175	31%	75.3%	70.8%
PAE202582	CAC102273	32%	93.0%	93.1%
PAE202582	CAC102538	41%	75.3%	67.5%
PAE202582	CBO100903	40%	76.3%	70.6%
PAE202582	CDF100867	40%	92.5%	92.3%
PAE202582	CDP100421	31%	93.5%	87.2%
PAE202582	EBC100108	62%	57.0%	97.2%
PAE202582	EFA201530	37%	91.9%	93.8%
PAE202582	EFM200252	38%	95.2%	95.4%
PAE202582	ECO101877	60%	93.5%	94.5%
PAE202582	HIN100119	56%	93.5%	93.0%
PAE202582	HPY100999	36%	91.9%	84%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202582	KPN304657	59%	88.2%	98.2%
PAE202582	LPN102252	58%	95.7%	95.2%
PAE202582	LMO100034	40%	91.9%	93.8%
PAE202582	MCA101550	48%	95.7%	91.3%
PAE202582	MAV100075	39%	72.6%	66.8%
PAE202582	MBV105271	36%	93.5%	81.3%
PAE202582	MLP100600	34%	91.9%	88.1%
PAE202582	MTU202709	36%	93.5%	81.3%
PAE202582	MGE100116	27%	81.2%	66.5%
PAE202582	MPN100579	29%	73.1%	66.1%
PAE202582	NGO101386	55%	96.2%	98.4%
PAE202582	NME201638	55%	96.2%	98.4%
PAE202582	PMU100856	60%	93.5%	93.0%
PAE202582	PRT100160	60%	80.1%	96.1%
PAE202582	PAE202582	100%	100%	100%
PAE202582	PPU104936	83%	83.9%	100%
PAE202582	PSY104985	83%	100%	98.9%
PAE202582	SPA102741	56%	93.5%	95.0%
PAE202582	STY102753	58%	93.5%	94.5%
PAE202582	SAU801283	40%	91.9%	94.3%
PAE202582	SEP201586	37%	91.9%	93.8%
PAE202582	SHA100110	38%	91.9%	94.8%
PAE202582	SMU101390	42%	93.5%	92.2%
PAE202582	SPN402024	41%	90.9%	89.0%
PAE202582	SPY201679	39%	93.5%	92.2%
PAE202582	TPA100253	30%	96.2%	91.2%
PAE202582	UUR100366	29%	92.5%	85.3%
PAE202582	VCH101196	56%	93.5%	93.0%
PAE202582	YPS001664	58%	96.2%	97.3%
PAE202587	BFU103555	24%	96.3%	93.1%
PAE202587	BFU103577	28%	97.3%	94.1%
PAE202587	BFU106533	30%	95.3%	90.4%
PAE202587	KPN202668	23%	90.8%	79.1%
PAE202587	NME301279	24%	78.5%	68.6%
PAE202587	PAE202089	61%	95.5%	89.9%
PAE202587	PAE202587	100%	100%	100%
PAE202592	BFU112442	57%	16.3%	74.3%
PAE202592	BFU103667	59%	98.1%	95.5%
PAE202592	MLP101589	30%	33.5%	62.2%
PAE202592	PAE202592	100%	100%	100%
PAE202592	PPU110760	73%	97.8%	97.5%
PAE202592	PSY101651	68%	77.4%	100%
PAE202592	SMU102515	25%	75.5%	71.6%
PAE202608	BFU106386	62%	97.8%	90.1%
PAE202608	CDP100182	48%	87.0%	78.6%
PAE202608	EBC104078	62%	96.6%	98.8%
PAE202608	ECO103035	61%	96.6%	98.8%
PAE202608	KPN301953	61%	96.9%	99.1%
PAE202608	LPN102216	56%	94.4%	97.2%
PAE202608	MAV105413	46%	89.8%	87.1%
PAE202608	PAE202608	100%	100%	100%
PAE202608	PPU110118	72%	99.1%	99.4%
PAE202608	PSY104168	71%	99.7%	100%
PAE202608	SPA101877	60%	96.6%	98.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202608	STY100886	60%	96.6%	98.8%
PAE202608	STM101329	60%	96.6%	98.8%
PAE202608	SMU100793	47%	68.5%	97.4%
PAE202608	VCH101077	59%	97.2%	99.7%
PAE202632	ABA105208	75%	99.8%	99.4%
PAE202632	BAN110475	26%	82.1%	79.3%
PAE202632	BAN106274	25%	95.1%	93.5%
PAE202632	BPT102898	25%	95.3%	92.0%
PAE202632	BCE102844	82%	99.8%	100%
PAE202632	BFU107049	27%	95.9%	94.2%
PAE202632	BMA107778	28%	85.1%	82.3%
PAE202632	EBC103829	27%	92.8%	91.7%
PAE202632	ECO103909	26%	92.7%	91.5%
PAE202632	KPN302602	27%	92.7%	90.4%
PAE202632	MCA101558	71%	99.2%	99.2%
PAE202632	MAV101764	25%	87.6%	84.7%
PAE202632	MBV101390	26%	81.7%	79.7%
PAE202632	MLP101209	31%	56.1%	50.1%
PAE202632	MTU200465	26%	81.7%	79.7%
PAE202632	PRT102444	26%	92.7%	91.3%
PAE202632	PAE202632	100%	100%	100%
PAE202632	PPU104938	28%	86.8%	83.4%
PAE202632	PSY104072	29%	82.3%	79.4%
PAE202632	SPA103847	27%	73.8%	85.1%
PAE202632	STY101883	26%	94.7%	94.0%
PAE202632	STM102120	26%	94.7%	94.0%
PAE202632	VCH100723	26%	81.7%	79.6%
PAE202632	YPS000409	27%	84.2%	81.6%
PAE202638	ABA101710	56%	92.8%	91.1%
PAE202638	BPT102602	35%	81.3%	83.5%
PAE202638	BCE111071	36%	71.1%	75.2%
PAE202638	BFU101050	33%	71.1%	75.2%
PAE202638	BMA106256	35%	71.1%	75.2%
PAE202638	CBO103706	33%	91.6%	95.6%
PAE202638	CDF101135	36%	78.9%	79.4%
PAE202638	EBC104017	70%	99.4%	99.4%
PAE202638	EFA202362	22%	71.1%	72.8%
PAE202638	ECO102243	69%	99.4%	99.4%
PAE202638	KPN303098	69%	99.4%	99.4%
PAE202638	LPN100393	39%	86.7%	87.4%
PAE202638	MCA101205	57%	92.8%	91.1%
PAE202638	MAV105025	31%	83.7%	55.2%
PAE202638	MBV105191	27%	81.9%	54.0%
PAE202638	MTU203106	27%	81.9%	54.0%
PAE202638	NGO100658	32%	81.3%	87.3%
PAE202638	NME200015	32%	81.3%	87.3%
PAE202638	PRT105764	72%	92.8%	85.1%
PAE202638	PAE202638	100%	100%	100%
PAE202638	PPU109199	91%	98.2%	98.8%
PAE202638	PSY104066	85%	93.4%	93.9%
PAE202638	SPA101449	69%	99.4%	99.4%
PAE202638	STY100620	69%	99.4%	99.4%
PAE202638	YPS000449	71%	94.0%	90.7%
PAE202639	ABA104508	61%	94.0%	94.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202639	BPT102603	43%	91.3%	89.2%
PAE202639	BCE109909	37%	99.3%	83.4%
PAE202639	BFU101051	42%	90.0%	90.5%
PAE202639	BMA102085	42%	88.4%	90.1%
PAE202639	CBO100268	40%	90.6%	63.7%
PAE202639	CDF101141	41%	90.0%	64.0%
PAE202639	EBC104020	81%	94.6%	94.6%
PAE202639	EFA202361	37%	88.2%	91.2%
PAE202639	ECO102242	79%	94.6%	94.6%
PAE202639	KPN303095	80%	94.4%	94.6%
PAE202639	LPN102788	44%	90.4%	94.6%
PAE202639	MCA101206	56%	98.7%	93.2%
PAE202639	MAV108179	46%	96.7%	95.4%
PAE202639	MBV105192	47%	92.4%	93.3%
PAE202639	MTU203107	47%	92.4%	93.3%
PAE202639	NGO100655	44%	88.4%	90.8%
PAE202639	NME200014	44%	88.4%	90.8%
PAE202639	PRT101707	75%	96.9%	95.6%
PAE202639	PAE202639	100%	100%	100%
PAE202639	PPU104927	89%	98.9%	97.8%
PAE202639	PSY104064	87%	100%	100%
PAE202639	SPA101448	77%	94.6%	94.6%
PAE202639	STY100618	79%	94.6%	94.6%
PAE202639	YPS000446	77%	96.9%	93.9%
PAE202669	BPT104423	33%	28.7%	22.5%
PAE202669	BMA100760	31%	20.1%	11.0%
PAE202669	CDP101905	28%	47.6%	49.0%
PAE202669	PAE202669	100%	100%	100%
PAE202669	PSY106253	29%	19.8%	25.1%
PAE202682	ABA100225	26%	52.2%	10.0%
PAE202682	ABA100477	29%	68.5%	100%
PAE202682	BAN104847	22%	25.0%	17.8%
PAE202682	BAN109223	35%	5.7%	36.6%
PAE202682	BAN101440	27%	13.9%	72.9%
PAE202682	BAN110288	21%	9.8%	16.9%
PAE202682	BPT105733	25%	22.2%	62.4%
PAE202682	BCE108121	30%	68.4%	90.4%
PAE202682	BFU100092	44%	6.4%	95.6%
PAE202682	BFU107935	29%	47.2%	64.9%
PAE202682	BFU102581	30%	86.9%	70.2%
PAE202682	BMA107682	25%	88.7%	83.3%
PAE202682	CAC100404	25%	12.3%	61.5%
PAE202682	EBC104888	26%	73.3%	87.3%
PAE202682	ECO100490	51%	7.0%	39.4%
PAE202682	ECO103517	49%	8.0%	45.9%
PAE202682	ECO100686	35%	19.5%	67.9%
PAE202682	ECO101427	30%	36.1%	76.2%
PAE202682	ECO100488	31%	88.8%	88.3%
PAE202682	ECO100683	32%	89.7%	90.6%
PAE202682	ECO103405	33%	88.7%	88.4%
PAE202682	ECO103515	33%	88.7%	90.6%
PAE202682	PRT103688	36%	12.5%	48.8%
PAE202682	PRT103361	28%	13.1%	100%
PAE202682	PRT103421	25%	86.6%	88.8%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202682	PAE202682	100%	100%	100%
PAE202682	PPU107712	33%	8.0%	93.1%
PAE202682	PPU110484	26%	11.4%	93.1%
PAE202682	PPU109654	34%	4.9%	93.4%
PAE202682	PPU107101	33%	19.3%	54.7%
PAE202682	PPU109653	31%	2.4%	64.5%
PAE202682	PPU109652	28%	86.0%	73.6%
PAE202682	PPU110482	28%	85.5%	77.5%
PAE202682	PSY108533	31%	33.6%	97.8%
PAE202682	PSY101322	53%	5.7%	29.6%
PAE202682	PSY105816	44%	7.7%	45.7%
PAE202682	PSY102083	26%	86.8%	65.1%
PAE202682	SPA100247	29%	53.9%	92.3%
PAE202682	STY104095	30%	52.2%	49.2%
PAE202682	STM103807	44%	9.6%	52.8%
PAE202682	STM103806	27%	89.1%	78.8%
PAE202682	YPS002999	25%	64.1%	24.7%
PAE202683	BFR100630	24%	66.9%	78.0%
PAE202683	BCE104450	46%	51.7%	95.1%
PAE202683	BCE111308	39%	89.8%	97.2%
PAE202683	BFU102584	38%	75.5%	84.8%
PAE202683	BFU100791	38%	88.4%	92.4%
PAE202683	BFU107929	39%	92.8%	95.3%
PAE202683	BMA105820	42%	91.9%	68.9%
PAE202683	EBC102287	42%	73.1%	61.8%
PAE202683	ECO200602	34%	73.7%	84.0%
PAE202683	ECO202018	32%	89.4%	90.1%
PAE202683	ECO200236	32%	90.8%	90.3%
PAE202683	MAV100794	24%	11.2%	49.0%
PAE202683	PRT100729	31%	74.5%	74.6%
PAE202683	PRT101866	29%	80.7%	80.3%
PAE202683	PAE200091	75%	88.3%	98.1%
PAE202683	PAE200095	79%	91.6%	99.1%
PAE202683	PAE202683	100%	100%	100%
PAE202683	PPU110472	38%	93.7%	95.0%
PAE202683	SPA102886	38%	78.5%	82.1%
PAE202683	STY104093	38%	77.4%	77.6%
PAE202683	STM103805	38%	77.4%	77.6%
PAE202683	YPS002993	31%	92.7%	83.2%
PAE202683	YPS002986	32%	88.7%	76.6%
PAE202683	YPS002861	32%	92.3%	89.5%
PAE202683	YPS002256	35%	93.1%	72.6%
PAE202724	BAN104705	42%	34.0%	31.7%
PAE202724	BFR104549	31%	63.7%	93.4%
PAE202724	CAC100359	26%	60.8%	87.6%
PAE202724	CBO102736	27%	86.8%	93.4%
PAE202724	CDF102556	31%	60.8%	76.0%
PAE202724	EBC102870	31%	63.2%	92.9%
PAE202724	EFA201808	27%	87.7%	70.5%
PAE202724	EFM200702	26%	60.8%	68.5%
PAE202724	ECO104127	31%	63.2%	92.9%
PAE202724	HIN101129	29%	63.2%	92.3%
PAE202724	KPN303784	30%	63.2%	92.9%
PAE202724	LMO100609	29%	60.8%	74.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202724	PMU100941	29%	63.2%	91.1%
PAE202724	PRT101043	29%	63.2%	92.9%
PAE202724	PAE202724	100%	100%	100%
PAE202724	SPA101627	30%	58.5%	91.7%
PAE202724	STY103909	31%	63.2%	92.9%
PAE202724	SAU800227	25%	87.3%	71.3%
PAE202724	SEP200043	37%	36.3%	33.1%
PAE202724	SMU101177	30%	60.8%	67.7%
PAE202724	SPN400185	31%	60.8%	69.4%
PAE202724	SPY201607	30%	60.8%	66.7%
PAE202724	VCH103237	27%	66.0%	96.1%
PAE202724	YPS000969	31%	62.3%	97.2%
PAE202739	ABA102501	79%	100%	99.2%
PAE202739	BAN104202	43%	96.6%	95.8%
PAE202739	BAN110178	58%	99.2%	99.2%
PAE202739	BFR104064	59%	98.3%	100%
PAE202739	BPT100292	72%	100%	99.2%
PAE202739	BBU100187	46%	93.2%	95.7%
PAE202739	BCE102715	68%	100%	99.2%
PAE202739	BFU102443	69%	100%	99.2%
PAE202739	BMA107401	68%	100%	99.2%
PAE202739	CJU100217	63%	99.2%	100%
PAE202739	CPN200847	44%	99.2%	96.7%
PAE202739	CTR200218	43%	99.2%	95.1%
PAE202739	CAC101951	56%	99.2%	98.3%
PAE202739	CDF102735	53%	100%	100%
PAE202739	CDP100976	61%	99.2%	92.1%
PAE202739	EBC102984	83%	100%	100%
PAE202739	EFA200358	63%	100%	99.2%
PAE202739	EFM201307	63%	100%	99.2%
PAE202739	ECO101684	83%	100%	100%
PAE202739	HIN101286	82%	99.2%	100%
PAE202739	HPY100124	54%	97.5%	99.1%
PAE202739	KPN301692	83%	100%	100%
PAE202739	LPN101410	78%	100%	99.2%
PAE202739	LMO100743	62%	100%	99.2%
PAE202739	MAV106548	57%	99.2%	89.3%
PAE202739	MBV101274	57%	99.2%	90.7%
PAE202739	MLP100866	55%	99.2%	90.7%
PAE202739	MTU201622	57%	99.2%	90.7%
PAE202739	MGE100200	51%	94.9%	90.3%
PAE202739	MPN100037	53%	95.8%	89.0%
PAE202739	NGO101855	77%	100%	99.2%
PAE202739	NME200857	77%	100%	99.2%
PAE202739	PMU100604	82%	99.2%	100%
PAE202739	PRT101306	82%	100%	100%
PAE202739	PAE202739	100%	100%	100%
PAE202739	PPU111376	94%	100%	100%
PAE202739	PSY109131	94%	100%	100%
PAE202739	SPA100657	84%	95.8%	94.2%
PAE202739	STY101118	83%	100%	100%
PAE202739	STM103448	83%	100%	100%
PAE202739	SAU801678	58%	99.2%	99.2%
PAE202739	SEP201662	58%	99.2%	99.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202739	SHA100082	59%	99.2%	99.2%
PAE202739	SMU100912	64%	99.2%	98.3%
PAE202739	SPN400863	65%	99.2%	98.3%
PAE202739	SPY200598	65%	99.2%	98.3%
PAE202739	TPA100839	47%	89.8%	86.9%
PAE202739	UUR100231	45%	93.2%	96.7%
PAE202739	VCH103020	80%	99.2%	100%
PAE202739	YPS003061	84%	100%	100%
PAE202740	ABA102503	64%	92.2%	79.7%
PAE202740	BAN113355	48%	95.3%	93.9%
PAE202740	BAN109536	48%	95.3%	93.9%
PAE202740	BFR104500	51%	95.3%	98.4%
PAE202740	BPT100293	59%	90.6%	90.8%
PAE202740	BBU100188	43%	92.2%	90.9%
PAE202740	BCE106262	54%	90.6%	95.2%
PAE202740	BFU102444	54%	90.6%	95.2%
PAE202740	BMA105698	56%	95.3%	95.4%
PAE202740	CJU100216	45%	95.3%	96.8%
PAE202740	CPN200848	38%	95.3%	96.9%
PAE202740	CTR200217	35%	95.3%	96.9%
PAE202740	CAC101588	68%	68.8%	69.2%
PAE202740	CBO102406	60%	81.2%	81.5%
PAE202740	CDF104095	51%	95.3%	96.9%
PAE202740	CDP100973	41%	92.2%	93.8%
PAE202740	EBC102982	60%	89.1%	89.2%
PAE202740	EFA203061	50%	95.3%	93.9%
PAE202740	EFM202134	50%	95.3%	93.9%
PAE202740	ECO101685	63%	89.1%	89.2%
PAE202740	HIN101285	66%	82.8%	60.7%
PAE202740	HPY100123	47%	89.1%	89.1%
PAE202740	KPN301691	63%	89.1%	89.2%
PAE202740	LPN101798	50%	93.8%	100%
PAE202740	LMO101064	46%	92.2%	90.9%
PAE202740	MAV106547	38%	95.3%	96.9%
PAE202740	MBV101273	39%	89.1%	90.6%
PAE202740	MLP100865	37%	95.3%	96.9%
PAE202740	MTU201621	39%	89.1%	90.6%
PAE202740	MGE100199	47%	84.4%	93.2%
PAE202740	MPN100038	49%	84.4%	93.2%
PAE202740	NGO101853	67%	95.3%	95.4%
PAE202740	NME200856	67%	95.3%	95.4%
PAE202740	PMU100603	66%	82.8%	83.1%
PAE202740	PRT103408	63%	89.1%	89.2%
PAE202740	PAE202740	100%	100%	100%
PAE202740	PPU103712	82%	100%	92.8%
PAE202740	PSY107471	84%	100%	100%
PAE202740	SPA100656	63%	89.1%	89.2%
PAE202740	STY101126	63%	89.1%	89.2%
PAE202740	STM103447	63%	89.1%	89.2%
PAE202740	SAU801679	54%	95.3%	93.9%
PAE202740	SEP201663	53%	95.3%	93.9%
PAE202740	SHA100081	51%	95.3%	93.9%
PAE202740	SMU100910	45%	95.3%	93.9%
PAE202740	SPN400862	45%	95.3%	93.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202740	SPY200597	44%	90.6%	90.8%
PAE202740	TPA100840	53%	95.3%	93.9%
PAE202740	UUR100230	43%	92.2%	93.8%
PAE202740	VCH103019	67%	95.3%	95.3%
PAE202740	YPS003064	62%	89.1%	89.2%
PAE202753	BCE114567	55%	82.7%	99.2%
PAE202753	BMA103554	50%	96.2%	82.7%
PAE202753	EBC102918	58%	96.2%	92.8%
PAE202753	ECO102167	54%	98.7%	98.8%
PAE202753	KPN301560	57%	92.3%	90.2%
PAE202753	MAV101305	32%	50%	21.5%
PAE202753	PRT101050	47%	97.4%	98.1%
PAE202753	PAE202753	100%	100%	100%
PAE202753	PPU110767	67%	97.4%	98.1%
PAE202753	SPA101703	50%	99.4%	99.4%
PAE202753	STY100490	51%	99.4%	99.4%
PAE202753	STM100205	52%	99.4%	99.4%
PAE202753	YPS000263	46%	98.1%	94.1%
PAE202788	PAE202788	100%	100%	100%
PAE202829	BCE112466	41%	99.2%	83.8%
PAE202829	BFU101173	43%	97.9%	97.4%
PAE202829	BMA102236	44%	97.9%	97.4%
PAE202829	NGO101119	50%	100%	93.5%
PAE202829	NME201171	50%	100%	99.7%
PAE202829	PAE202829	100%	100%	100%
PAE202829	PPU111541	63%	100%	98.2%
PAE202829	PSY102269	61%	100%	100%
PAE202829	SPY200945	32%	20%	23.2%
PAE202946	BFR12474	40%	98%	40.9%
PAE202946	BCE110714	77%	97.6%	100%
PAE202946	BFU105460	78%	95.2%	98.8%
PAE202946	BMA108919	75%	95.2%	98.8%
PAE202946	CAC102927	42%	99.2%	98.8%
PAE202946	CBO101360	45%	98.8%	97.2%
PAE202946	CDF104345	42%	98%	95.7%
PAE202946	CDP101127	53%	95.2%	93.4%
PAE202946	KPN305124	46%	98%	95.7%
PAE202946	LMO102006	41%	98%	98.8%
PAE202946	MAV103322	52%	95.2%	94.1%
PAE202946	MBV100257	56%	98.4%	93.6%
PAE202946	MTU202038	56%	98.4%	99.2%
PAE202946	PAE202946	100%	100%	100%
PAE202946	PPU105263	74%	100%	100%
PAE202946	PSY105227	75%	99.2%	99.6%
PAE202946	SPA101461	47%	98%	95.7%
PAE202946	STY103303	47%	98%	95.7%
PAE202947	ABA105518	34%	88.3%	83.3%
PAE202947	BAN113370	24%	46.0%	98.4%
PAE202947	BAN108978	28%	51.1%	98.2%
PAE202947	BAN100793	24%	96.2%	96.6%
PAE202947	BAN106734	27%	96.2%	97.9%
PAE202947	BBU100645	27%	34.6%	34.6%
PAE202947	BFU108292	26%	76.5%	89.7%
PAE202947	BFU100482	32%	77.1%	90.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202947	CJU100735	28%	38.4%	47.7%
PAE202947	HPY100727	23%	68.9%	78.0%
PAE202947	MTU403691	25%	79.0%	77.1%
PAE202947	MTU405320	26%	79.0%	77.1%
PAE202947	MGE100335	17%	79.0%	91.4%
PAE202947	MPN100368	21%	78.7%	91.0%
PAE202947	NGO101899	27%	76.2%	95.2%
PAE202947	NME202051	28%	76.5%	76.3%
PAE202947	PMU100355	24%	76.8%	90.8%
PAE202947	PAE202947	100%	100%	100%
PAE202947	SAU800615	22%	78.4%	92.7%
PAE202947	SEP200190	23%	83.2%	99.2%
PAE202947	UUR100019	20%	82.9%	92.4%
PAE202989	ABA103540	63%	98.9%	97.0%
PAE202989	EBC104137	62%	99.4%	99.1%
PAE202989	ECO103868	62%	95.5%	100%
PAE202989	KPN303224	58%	68.1%	97.5%
PAE202989	MCA103082	60%	99.4%	87.9%
PAE202989	MAV103003	42%	98.7%	97.0%
PAE202989	MBV105108	42%	98.7%	97.0%
PAE202989	MTU202676	42%	98.7%	97.6%
PAE202989	PRT105115	63%	99.1%	99.1%
PAE202989	PAE202989	100%	100%	100%
PAE202989	PPU101827	85%	100%	100%
PAE202989	PSY102905	84%	100%	97.3%
PAE202989	SPA102621	57%	68.1%	97.5%
PAE202989	STY102734	62%	99.4%	99.1%
PAE202989	SEP200143	27%	96.6%	97.7%
PAE202989	VCH100150	61%	99.1%	98.9%
PAE202989	YPS001763	63%	99.4%	99.1%
PAE203003	ABA104411	61%	91.9%	91.2%
PAE203003	BFR11494	32%	78.0%	25.8%
PAE203003	BFR102425	30%	76.8%	25.4%
PAE203003	BPT102882	51%	90.7%	86.9%
PAE203003	BBU100619	30%	66.9%	41.8%
PAE203003	BCE101499	50%	98.2%	98.0%
PAE203003	BFU101289	48%	98.2%	98.0%
PAE203003	BMA104623	51%	97.9%	97.7%
PAE203003	CAC100166	30%	82.2%	53.5%
PAE203003	CDP101664	34%	69.3%	70.2%
PAE203003	EBC100833	55%	48.2%	98.2%
PAE203003	ECO101080	52%	95.2%	93.5%
PAE203003	HIN100939	52%	87.7%	83.5%
PAE203003	KPN300959	52%	95.2%	93.8%
PAE203003	LPN100014	30%	79.8%	74.6%
PAE203003	LPN100836	29%	75.9%	72.5%
PAE203003	MCA101241	50%	97.3%	94.6%
PAE203003	MAV102122	33%	68.4%	60.3%
PAE203003	MBV104826	33%	65.4%	57.7%
PAE203003	MLP101517	32%	71.1%	61.5%
PAE203003	MTU200236	34%	65.4%	57.7%
PAE203003	NGO101850	49%	82.8%	78.4%
PAE203003	NME200652	50%	82.8%	78.4%
PAE203003	PMU100071	47%	98.2%	96.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203003	PRT105906	49%	98.5%	98.2%
PAE203003	PAE203003	100%	100%	100%
PAE203003	PPU109017	84%	100%	90.2%
PAE203003	PSY102892	84%	100%	98.8%
PAE203003	SPA101787	50%	97.3%	95.6%
PAE203003	STY102545	50%	97.3%	95.6%
PAE203003	STM102735	50%	97.3%	95.6%
PAE203003	SHA102342	27%	56.0%	34.8%
PAE203003	VCH100679	48%	96.1%	95.8%
PAE203003	YPS003184	51%	97.9%	95.6%
PAE203004	ABA100588	34%	39.1%	43.3%
PAE203004	BAN108099	33%	30.5%	36.6%
PAE203004	BCE113782	37%	87.6%	74.4%
PAE203004	BFU110691	37%	94.0%	71.9%
PAE203004	BMA109988	60%	29.6%	85.2%
PAE203004	CAC101145	30%	31.3%	37.4%
PAE203004	EFA103871	24%	60.9%	66.3%
PAE203004	MAV102370	35%	39.9%	46%
PAE203004	MBV102431	31%	55.8%	57.0%
PAE203004	MTU201664	31%	55.8%	57.0%
PAE203004	PAE203004	100%	100%	100%
PAE203004	PPU108988	85%	98.3%	97.0%
PAE203004	PSY108753	82%	100%	99.2%
PAE203004	VCH101713	41%	89.3%	91.5%
PAE203009	ABA104108	66%	99.1%	97.3%
PAE203009	BAN109416	39%	86.2%	93.6%
PAE203009	BAN101551	39%	88.4%	91.6%
PAE203009	BFR101155	40%	71.1%	78.5%
PAE203009	BPT100056	25%	69.8%	72.6%
PAE203009	BBU100827	35%	66.2%	67.6%
PAE203009	BCE103151	26%	59.9%	78.4%
PAE203009	BFU100507	26%	59.9%	61.3%
PAE203009	BMA106704	27%	59.9%	87.6%
PAE203009	CJU101590	40%	85.6%	99.9%
PAE203009	CPN201084	37%	91.0%	83.0%
PAE203009	CTR200012	36%	90.9%	83.6%
PAE203009	CAC102294	38%	90.9%	92.4%
PAE203009	CBO102039	39%	86.9%	88.7%
PAE203009	CDF100883	38%	86.3%	99.0%
PAE203009	CDP100002	42%	65.8%	60.5%
PAE203009	EBC101405	69%	62.1%	100%
PAE203009	EFA201307	39%	84.4%	98.3%
PAE203009	EFM201130	40%	90.8%	90.7%
PAE203009	ECO101245	67%	100%	100%
PAE203009	HIN101331	64%	100%	100%
PAE203009	HPY100114	38%	90.8%	93.3%
PAE203009	KPN301380	67%	99.3%	99.4%
PAE203009	LPN102138	38%	85.0%	93.8%
PAE203009	LMO102467	38%	88.4%	91.6%
PAE203009	MCA101981	62%	99.1%	99.8%
PAE203009	MAV107800	40%	71.2%	69.3%
PAE203009	MBV102420	40%	71.3%	65.3%
PAE203009	MLP100140	39%	71.2%	68.5%
PAE203009	MTU203594	40%	71.3%	69.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203009	MGE100124	32%	79.6%	98.2%
PAE203009	MPN100572	32%	72.0%	91.3%
PAE203009	NGO101687	40%	85.0%	93.1%
PAE203009	NME200149	41%	85.0%	93.1%
PAE203009	PMU100615	64%	100%	100%
PAE203009	PRT105667	65%	99.9%	100%
PAE203009	PAE203009	100%	100%	100%
PAE203009	PPU101660	89%	100%	100%
PAE203009	PSY102886	86%	100%	100%
PAE203009	SPA101976	61%	78.3%	100%
PAE203009	STY103035	66%	100%	100%
PAE203009	STM103402	22%	56.8%	81.5%
PAE203009	SAU801250	41%	88.4%	91.7%
PAE203009	SEP201542	40%	88.4%	91.7%
PAE203009	SHA100660	38%	88.4%	91.7%
PAE203009	SMU100120	38%	85.7%	97.2%
PAE203009	SPN401140	40%	85.7%	86.0%
PAE203009	SPY200890	39%	85.7%	96.5%
PAE203009	TPA100390	37%	86.3%	95.2%
PAE203009	UUR100597	31%	79.6%	97.3%
PAE203009	VCH101702	66%	100%	99.5%
PAE203009	YPS000900	67%	100%	100%
PAE203011	ABA101100	66%	99.7%	99.5%
PAE203011	EBC103299	64%	98.0%	99.2%
PAE203011	ECO103757	64%	98.2%	99.2%
PAE203011	KPN308912	64%	98.2%	99.2%
PAE203011	MCA100366	64%	99.7%	99.5%
PAE203011	PRT105123	58%	98.2%	99.2%
PAE203011	PAE203011	100%	100%	100%
PAE203011	PPU101672	93%	100%	100%
PAE203011	PSY102884	91%	98.0%	100%
PAE203011	SPA101937	64%	98.2%	99.2%
PAE203011	STY101985	64%	98.2%	99.2%
PAE203011	VCH102720	64%	98.0%	99.0%
PAE203011	YPS000583	63%	98.5%	99.5%
PAE203038	BPT100995	39%	100%	100%
PAE203038	BCE112739	41%	90.8%	75.4%
PAE203038	BFU108125	42%	90.8%	95%
PAE203038	BMA107559	43%	90.8%	68.3%
PAE203038	EBC104086	37%	93.6%	97.0%
PAE203038	ECO103031	32%	89.9%	93.1%
PAE203038	KPN301957	37%	89.9%	93.1%
PAE203038	PMU100612	24%	90.8%	92.2%
PAE203038	PRT106147	33%	91.7%	95.0%
PAE203038	PAE203038	100%	100%	100%
PAE203038	PPU108934	61%	87.2%	100%
PAE203038	PSY108848	61%	97.2%	98.1%
PAE203038	SPA101873	32%	86.2%	92.8%
PAE203038	STY100868	34%	89.9%	93.1%
PAE203038	STM101317	34%	89.9%	93.1%
PAE203038	YPS001843	33%	100%	100%
PAE203039	BPT103478	32%	90.5%	83.9%
PAE203039	BCE113227	35%	89.7%	87.6%
PAE203039	BFU108127	33%	86.5%	85.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203039	BMA103301	35%	96.0%	93.8%
PAE203039	EBC104085	31%	87.3%	71.2%
PAE203039	ECO103032	31%	87.3%	81.3%
PAE203039	KPN301960	27%	87.3%	82.6%
PAE203039	PRT105481	39%	53.2%	47.8%
PAE203039	PAE203039	100%	100%	100%
PAE203039	PPU101755	69%	88.9%	90.3%
PAE203039	PSY102584	71%	95.2%	93.8%
PAE203039	SPA101874	30%	87.3%	71.2%
PAE203039	STY100880	31%	87.3%	82.6%
PAE203039	STM101320	31%	87.3%	82.6%
PAE203039	YPS001820	32%	93.7%	90.1%
PAE203045	BFR11462	27%	33.0%	32.8%
PAE203045	BPT100984	41%	89.7%	84.6%
PAE203045	BCE107003	43%	94.3%	88.0%
PAE203045	BFU101441	40%	93.7%	73.0%
PAE203045	BMA106620	42%	92.9%	78.1%
PAE203045	CDP100677	23%	86.1%	82.4%
PAE203045	EBC102682	28%	82.6%	90.0%
PAE203045	ECO103112	27%	89.3%	89.3%
PAE203045	HIN101297	26%	93.7%	91.2%
PAE203045	KPN300612	27%	70.6%	99.4%
PAE203045	LPN103187	22%	36.3%	38.8%
PAE203045	MAV100593	27%	37.2%	39.0%
PAE203045	MBV102407	27%	27.7%	14.4%
PAE203045	MLP100149	26%	36.1%	38.0%
PAE203045	MTU203575	27%	27.7%	13.9%
PAE203045	NGO101705	37%	92.0%	91.5%
PAE203045	NME200616	37%	92.0%	91.5%
PAE203045	PMU100716	26%	94.3%	90.3%
PAE203045	PRT100792	28%	96.2%	92.5%
PAE203045	PAE203045	100%	100%	100%
PAE203045	PPU101770	72%	99.4%	97.5%
PAE203045	PSY105582	71%	99.4%	97.1%
PAE203045	SPA101091	27%	86.6%	86.8%
PAE203045	STY101484	27%	86.6%	86.8%
PAE203045	STM101734	27%	86.6%	86.8%
PAE203045	VCH100620	24%	84.9%	81.5%
PAE203045	YPS002128	28%	86.6%	85.9%
PAE203066	BCE100016	62%	31.7%	100%
PAE203066	BFU115027	45%	97.4%	97.9%
PAE203066	KPN304858	31%	5.1%	30.8%
PAE203066	LPN102155	48%	69.0%	99.5%
PAE203066	LPN100305	47%	97.5%	97.2%
PAE203066	MAV100776	39%	94.0%	93.9%
PAE203066	MBV101525	39%	94.0%	94.1%
PAE203066	MLP100774	39%	94.0%	94.1%
PAE203066	MTU202440	39%	94.0%	94.1%
PAE203066	PAE203066	100%	100%	100%
PAE203066	PPU103150	83%	99.8%	97.3%
PAE203066	PSY101603	83%	99.6%	99.8%
PAE203066	SPA100328	31%	5.1%	30.9%
PAE203066	VCH101469	47%	97.3%	97.6%
PAE203080	BCE106339	25%	89.0%	91.4%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203080	BFU103586	23%	90.2%	80.7%
PAE203080	MGE100195	32%	11.9%	8.4%
PAE203080	PRT103376	29%	13.5%	18.6%
PAE203080	PAE203920	32%	95.3%	96.3%
PAE203080	PAE203080	100%	100%	100%
PAE203080	PPU109819	32%	96.5%	89.6%
PAE203080	PSY102424	31%	95.9%	96.6%
PAE203080	SPN400446	22%	16.5%	52.3%
PAE203119	ABA104781	75%	99.2%	99.6%
PAE203119	BAN100313	52%	98.7%	100%
PAE203119	BAN100367	53%	98.9%	97.6%
PAE203119	BFR12153	51%	98.9%	99.6%
PAE203119	BPT101910	73%	98.5%	96.9%
PAE203119	BCE108881	71%	98.9%	99.4%
PAE203119	BFU100662	67%	98.3%	91.7%
PAE203119	BMA104026	71%	98.9%	61.9%
PAE203119	CJU101621	50%	99.2%	98.7%
PAE203119	CAC102015	31%	94.1%	92.9%
PAE203119	CDF100900	34%	76.4%	76.5%
PAE203119	CDP100261	56%	98.7%	96.5%
PAE203119	EBC102532	62%	98.9%	99.6%
PAE203119	ECO100072	63%	98.9%	99.4%
PAE203119	HIN100969	59%	98.9%	98.9%
PAE203119	KPN301553	63%	98.9%	99.4%
PAE203119	LMO100765	54%	99.2%	98.3%
PAE203119	MCA100223	73%	99.2%	99.6%
PAE203119	MAV108159	60%	97.3%	95.8%
PAE203119	MBV102077	61%	97.3%	96.4%
PAE203119	MLP101031	60%	97.7%	95.3%
PAE203119	MTU202950	61%	97.3%	96.4%
PAE203119	NGO101165	67%	99.6%	99.8%
PAE203119	NME201321	67%	99.2%	99.4%
PAE203119	PMU101960	62%	98.9%	98.9%
PAE203119	PRT101170	62%	98.7%	98.5%
PAE203119	PAE203119	100%	100%	100%
PAE203119	PPU103214	87%	99.8%	99.0%
PAE203119	PSY104878	88%	99.6%	99.2%
PAE203119	SPA102560	61%	96.8%	99.6%
PAE203119	STY103139	62%	98.9%	99.4%
PAE203119	STM104156	54%	99.8%	99.2%
PAE203119	SAU802059	55%	99.4%	99.6%
PAE203119	SEP201303	55%	99.4%	99.6%
PAE203119	SHA102193	55%	59.3%	98.9%
PAE203119	SMU100436	52%	99.6%	98.9%
PAE203119	VCH102456	60%	98.7%	98.9%
PAE203119	YPS000958	64%	99.4%	97.7%
PAE203149	CJU101238	40%	92.4%	90.7%
PAE203149	PAE203149	100%	100%	100%
PAE203151	ABA105529	20%	96.1%	100%
PAE203151	BFR100084	20%	76.6%	63.4%
PAE203151	CAC100183	19%	88.1%	85.7%
PAE203151	EFM102346	24%	45.7%	47.5%
PAE203151	ECO102005	19%	84.2%	68.3%
PAE203151	PAE203151	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203151	PSY104681	29%	26.8%	26.2%
PAE203151	STY103547	20%	79.8%	66.5%
PAE203151	SAU504261	23%	94.6%	93.7%
PAE203151	SEP200907	29%	17.8%	22.3%
PAE203152	EBC102936	25%	22.1%	20.7%
PAE203152	PAE203152	100%	100%	100%
PAE203158	BFR101226	26%	22.1%	24.1%
PAE203158	BFU110441	20%	57.8%	30.4%
PAE203158	BFU105499	29%	26.1%	12.2%
PAE203158	BFU105525	17%	31.3%	35.9%
PAE203158	BFU100854	25%	12.9%	20.3%
PAE203158	CBO103682	36%	13.2%	20.3%
PAE203158	EBC102060	23%	95.4%	93.6%
PAE203158	EFA201750	23%	31.6%	26.3%
PAE203158	ECO100955	40%	12.1%	5.8%
PAE203158	ECO101986	20%	95.4%	90.5%
PAE203158	HIN100846	21%	54.6%	90.8%
PAE203158	KPN301895	19%	94.8%	98.2%
PAE203158	MBV100603	28%	32.8%	24.2%
PAE203158	MTU202161	28%	32.8%	24.2%
PAE203158	PRT102865	20%	94.0%	93.8%
PAE203158	PAE200937	21%	97.4%	93.4%
PAE203158	PAE203158	100%	100%	100%
PAE203158	SPA109962	23%	95.4%	93.3%
PAE203158	STY103505	23%	95.4%	93.3%
PAE203158	STM101038	21%	94.0%	94.5%
PAE203158	YPS001521	21%	97.4%	96.9%
PAE203171	ABA103036	54%	99.2%	98.0%
PAE203171	EBC101402	48%	98.8%	95.7%
PAE203171	ECO101242	50%	98.8%	95.6%
PAE203171	KPN301384	51%	98.8%	95.7%
PAE203171	MCA100527	51%	99.6%	93.8%
PAE203171	NGO100381	36%	93.9%	90.6%
PAE203171	NME201227	35%	93.9%	90.6%
PAE203171	PRT104910	51%	100%	96.5%
PAE203171	PAE203171	100%	100%	100%
PAE203171	PPU105935	78%	100%	100%
PAE203171	PSY103185	71%	100%	100%
PAE203171	SPA102162	44%	67.1%	94.2%
PAE203171	STY103032	51%	98.8%	95.7%
PAE203171	STM101349	51%	98.8%	95.7%
PAE203171	VCH101040	55%	98.8%	98.0%
PAE203171	YPS000894	52%	98.8%	95.7%
PAE203198	ABA100363	32%	93.6%	98.6%
PAE203198	BPT101825	43%	92.5%	96.1%
PAE203198	BCE111281	40%	94.2%	99.6%
PAE203198	BFU102363	40%	94.2%	99.6%
PAE203198	BMA103704	40%	94.2%	98.6%
PAE203198	CAC102768	28%	85.8%	89.1%
PAE203198	CBO102397	22%	94.9%	98.5%
PAE203198	CDF102791	25%	91.9%	96.0%
PAE203198	EBC100384	41%	67.1%	94.7%
PAE203198	EFM200458	37%	25.4%	8.7%
PAE203198	ECO101237	38%	96.3%	95.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203198	HIN101368	38%	93.9%	98.9%
PAE203198	KPN301377	39%	92.2%	93.7%
PAE203198	LPN102412	34%	92.5%	96.1%
PAE203198	MCA101529	32%	93.9%	89.6%
PAE203198	NGO101870	42%	94.6%	99.6%
PAE203198	NME200589	43%	94.6%	99.6%
PAE203198	PMU100616	42%	93.6%	97.5%
PAE203198	PRT101796	37%	92.2%	94.1%
PAE203198	PAE203198	100%	100%	100%
PAE203198	PPU102596	75%	94.6%	97.6%
PAE203198	PSY103202	77%	94.2%	96.9%
PAE203198	SPA102158	38%	92.2%	91.8%
PAE203198	STY103028	38%	92.2%	91.8%
PAE203198	STM102262	36%	20.3%	25.7%
PAE203198	VCH101158	35%	93.2%	93.8%
PAE203198	YPS000874	39%	92.2%	90.0%
PAE203213	ABA100298	36%	98.2%	98.5%
PAE203213	EBC101974	28%	91.4%	92.2%
PAE203213	ECO101470	28%	28.2%	38.7%
PAE203213	ECO104010	32%	24.6%	32.8%
PAE203213	ECO103438	28%	25.2%	33.9%
PAE203213	ECO100554	31%	22.6%	30.5%
PAE203213	ECO103439	38%	24.9%	30.7%
PAE203213	MBV103623	29%	91.4%	87.0%
PAE203213	MTU203042	30%	88.4%	87.1%
PAE203213	NGO100172	36%	27.0%	30.3%
PAE203213	NME102614	36%	27.0%	30.2%
PAE203213	PRT104740	34%	30.9%	36.5%
PAE203213	PAE203213	100%	100%	100%
PAE203213	PPU101064	68%	98.2%	94.1%
PAE203213	PSY101584	31%	82.5%	91.3%
PAE203213	STY103615	35%	35.3%	45.5%
PAE203213	STM102200	35%	35.3%	45.2%
PAE203213	SMU100002	24%	75.1%	73.3%
PAE203278	ABA102827	25%	40.9%	51.6%
PAE203278	BFR104483	22%	87.9%	91.6%
PAE203278	BFR104778	25%	87.9%	83.1%
PAE203278	BCE109710	24%	21.2%	23.3%
PAE203278	BFU106544	31%	21.2%	20.5%
PAE203278	BFU108704	35%	21.2%	20.7%
PAE203278	MPN100010	27%	30.8%	32.4%
PAE203278	PAE203277	72%	100%	100%
PAE203278	PAE203278	100%	100%	100%
PAE203278	PPU108704	66%	100%	100%
PAE203278	STM103492	29%	13.9%	15.3%
PAE203372	BPT104160	24%	43.2%	31.7%
PAE203372	BCE104817	27%	24.0%	20.7%
PAE203372	BFU103057	47%	98.4%	99.5%
PAE203372	BMA102024	49%	98.4%	99.5%
PAE203372	CDF101026	31%	81.4%	79.2%
PAE203372	EBC104455	54%	98.7%	99.7%
PAE203372	EFA200688	35%	22.5%	15.8%
PAE203372	ECO103989	54%	98.7%	99.7%
PAE203372	KPN304684	53%	98.7%	99.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203372	PAE203372	100%	100%	100%
PAE203372	PSY105339	71%	100%	100%
PAE203372	YPS000997	56%	98.7%	99.7%
PAE203391	ABA105158	25%	31.8%	28.2%
PAE203391	BMA103946	31%	57.2%	87.7%
PAE203391	BMA106985	49%	29.4%	90.4%
PAE203391	BMA106687	40%	66.6%	79.2%
PAE203391	CAC103354	22%	29.2%	27.0%
PAE203391	NGO103600	40%	39.5%	80.7%
PAE203391	NME200703	38%	74.8%	89.0%
PAE203391	PAE203391	100%	100%	100%
PAE203413	LPN102911	48%	99.2%	99.7%
PAE203413	PAE203413	100%	100%	100%
PAE203475	BCE113754	37%	90.9%	97.3%
PAE203475	BMA102624	37%	96.7%	97.9%
PAE203475	EBC100444	38%	55.6%	95.7%
PAE203475	ECO101881	40%	98.8%	99.2%
PAE203475	KPN300605	43%	98.8%	99.2%
PAE203475	LPN103648	39%	19.9%	21.5%
PAE203475	LPN102997	42%	22.4%	23.8%
PAE203475	PAE203475	100%	100%	100%
PAE203475	SPA102745	44%	98.8%	99.2%
PAE203475	STY102762	45%	98.8%	99.2%
PAE203477	BMA109458	48%	90.2%	89.0%
PAE203477	BMA109480	48%	90.2%	89.0%
PAE203477	PAE203477	100%	100%	100%
PAE203482	PAE203482	100%	100%	100%
PAE203505	ABA102630	56%	98.5%	98.9%
PAE203505	BCE111825	64%	98.1%	98.1%
PAE203505	BFU103535	31%	97.0%	81.4%
PAE203505	BFU107966	65%	98.1%	98.1%
PAE203505	BMA100844	62%	98.1%	98.1%
PAE203505	KPN303060	55%	96.2%	96.6%
PAE203505	PAE203505	100%	100%	100%
PAE203520	MAV102532	25%	48.0%	52.8%
PAE203520	PAE203520	100%	100%	100%
PAE203636	ABA100310	29%	90.3%	94.6%
PAE203636	BAN106833	32%	36.7%	36.9%
PAE203636	BAN110448	31%	47.5%	45.6%
PAE203636	BFR105493	33%	36.2%	40.4%
PAE203636	BPT101422	41%	57.7%	85.2%
PAE203636	BBU100787	25%	52.7%	53.6%
PAE203636	BCE103292	37%	92.8%	92.4%
PAE203636	BFU100945	37%	91.2%	90.5%
PAE203636	BMA101020	41%	92.8%	100%
PAE203636	CJU101371	28%	45.5%	60.4%
PAE203636	CPN200842	31%	41.4%	57.1%
PAE203636	CTR200223	31%	46.6%	65.4%
PAE203636	CAC100355	30%	48.2%	44.9%
PAE203636	CBO100497	31%	42.8%	41.5%
PAE203636	CDF101023	28%	48.6%	47.6%
PAE203636	CDP100675	30%	48.0%	70.0%
PAE203636	EBC102557	50%	51.8%	88.7%
PAE203636	EFA201933	27%	86.4%	82%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203636	EFM202069	30%	57.7%	57.5%
PAE203636	ECO100188	41%	88.9%	91.0%
PAE203636	HIN100384	35%	88.7%	93.5%
PAE203636	HPY100716	29%	45.2%	57.4%
PAE203636	KPN301915	39%	93.4%	93.8%
PAE203636	LPN100863	33%	86.0%	94%
PAE203636	LMO100173	33%	47.7%	33.5%
PAE203636	MCA100637	33%	59.7%	59.2%
PAE203636	MAV100591	43%	33.9%	80.8%
PAE203636	MBV102370	38%	60.0%	77.4%
PAE203636	MLP100150	38%	60.0%	77.4%
PAE203636	MTU203573	38%	60.0%	77.4%
PAE203636	MGE100086	26%	39.4%	58.6%
PAE203636	MPN100609	27%	39.4%	58.8%
PAE203636	NGO102060	38%	67.6%	69.6%
PAE203636	NME201238	38%	67.6%	67.1%
PAE203636	PMU100289	33%	87.1%	92.3%
PAE203636	PRT101174	38%	88.7%	89.8%
PAE203636	PAE203636	100%	100%	100%
PAE203636	PPU101173	59%	97.1%	99.3%
PAE203636	PSY104335	62%	38.0%	100%
PAE203636	SPA100900	39%	88.7%	91.8%
PAE203636	STY103952	39%	88.7%	91.2%
PAE203636	STM103634	40%	88.7%	91.2%
PAE203636	SAU800509	31%	46.6%	49.0%
PAE203636	SEP201842	33%	42.8%	44.9%
PAE203636	SHA100217	34%	42.8%	60.2%
PAE203636	SMU101186	29%	47.7%	52.9%
PAE203636	SPN400010	26%	59.5%	55.1%
PAE203636	SPY200010	33%	44.3%	43.9%
PAE203636	TPA100369	37%	41.0%	39.6%
PAE203636	UUR100075	22%	40.5%	53.8%
PAE203636	VCH102208	37%	88.9%	89.8%
PAE203636	YPS001161	38%	93.0%	93.5%
PAE203641	ABA100586	44%	97.6%	97.7%
PAE203641	BFR101347	30%	98.7%	100%
PAE203641	BPT101131	45%	98.4%	98.7%
PAE203641	BCE101730	48%	98.9%	97.2%
PAE203641	BFU112783	46%	98.4%	98.9%
PAE203641	BMA105530	48%	98.9%	97.4%
PAE203641	CJU100259	27%	72.8%	73.4%
PAE203641	CPN200879	33%	89.9%	57.1%
PAE203641	CTR200682	34%	83.3%	52.6%
PAE203641	CDF100133	26%	36.0%	33.7%
PAE203641	EBC102551	53%	98.4%	98.4%
PAE203641	ECO100182	53%	98.4%	98.4%
PAE203641	HIN101037	50%	97.9%	96.9%
PAE203641	HPY100854	29%	82.3%	83.9%
PAE203641	KPN301924	54%	98.7%	98.4%
PAE203641	LPN103576	45%	97.1%	98.7%
PAE203641	MCA101525	40%	97.4%	93.7%
PAE203641	NGO100750	47%	97.1%	96.9%
PAE203641	NME200064	47%	97.1%	96.9%
PAE203641	PMU101997	49%	98.1%	96.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203641	PRT101244	53%	97.9%	95.9%
PAE203641	PAE203641	100%	100%	100%
PAE203641	PPU101166	80%	98.9%	99.2%
PAE203641	PSY104341	78%	99.2%	98.4%
PAE203641	SPA100775	59%	38.1%	94.7%
PAE203641	STY103912	53%	98.4%	98.4%
PAE203641	STM103625	53%	98.4%	98.4%
PAE203641	VCH102213	50%	98.7%	98.9%
PAE203641	YPS001151	52%	98.7%	95.7%
PAE203700	BCE108743	57%	98.2%	100%
PAE203700	BMA102491	57%	98.5%	96.5%
PAE203700	PAE203700	100%	100%	100%
PAE203700	PPU107886	75%	99.7%	99.4%
PAE203700	PSY104903	72%	99.4%	100%
PAE203706	BPT102843	63%	96.7%	96.4%
PAE203706	BCE102508	67%	68.6%	99.5%
PAE203706	BFU103516	60%	97.8%	97.6%
PAE203706	BMA107817	60%	99.1%	99.3%
PAE203706	EFM102565	76%	29.5%	100%
PAE203706	PAE203706	100%	100%	100%
PAE203706	PPU108754	77%	100%	99.8%
PAE203713	BPT105932	32%	18.0%	23.3%
PAE203713	BCE110115	21%	20.6%	32.4%
PAE203713	CAC100257	25%	16.0%	16.9%
PAE203713	CBO101444	22%	36.8%	77.4%
PAE203713	CBO102514	19%	62.9%	44.8%
PAE203713	MCA101008	31%	3.0%	39.1%
PAE203713	PAE203713	100%	100%	100%
PAE203734	ABA104395	37%	94.2%	84.5%
PAE203734	BPT101697	30%	76.0%	59.4%
PAE203734	BCE104511	30%	100%	98.3%
PAE203734	BFU102511	30%	97.5%	97.5%
PAE203734	BMA105976	30%	96.7%	95.0%
PAE203734	CTR200833	25%	31.0%	43.4%
PAE203734	EBC102953	45%	78.9%	77.6%
PAE203734	ECO102829	41%	94.6%	92.4%
PAE203734	HIN101185	36%	94.2%	95.2%
PAE203734	KPN303323	41%	94.2%	91.6%
PAE203734	MCA103261	31%	93.4%	86.6%
PAE203734	NGO101461	28%	90.5%	82.0%
PAE203734	NME200672	28%	90.5%	82.3%
PAE203734	PMU100191	35%	92.6%	94.3%
PAE203734	PRT102354	39%	92.6%	91.9%
PAE203734	PAE203734	100%	100%	100%
PAE203734	PPU107820	68%	98.8%	99.2%
PAE203734	PSY108357	66%	100%	100%
PAE203734	SPA102979	41%	94.2%	89.9%
PAE203734	STY104139	42%	94.2%	89.9%
PAE203734	STM102243	22%	62.4%	82.6%
PAE203734	VCH102383	39%	81.0%	79.6%
PAE203734	YPS000163	43%	92.6%	90.8%
PAE203761	ABA100205	43%	26.3%	8.1%
PAE203761	BFR104777	21%	50.7%	84.7%
PAE203761	BFR11240	29%	91.4%	90.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203761	EBC102608	37%	96.9%	84.7%
PAE203761	ECO102509	38%	95.4%	91.3%
PAE203761	HIN100223	41%	90.9%	88.1%
PAE203761	KPN303140	39%	90.0%	73.1%
PAE203761	PMU100045	38%	98.9%	94.5%
PAE203761	PRT105702	44%	90.0%	82.6%
PAE203761	PAE203761	100%	100%	100%
PAE203761	PPU101423	76%	97.8%	99.3%
PAE203761	PSY103797	75%	98.0%	93.3%
PAE203761	SPA100673	36%	96.7%	92.5%
PAE203761	STY102070	39%	90.9%	86.1%
PAE203761	STM101827	37%	98.5%	85.8%
PAE203761	VCH100850	40%	91.2%	79.4%
PAE203761	YPS003376	43%	90.9%	84.0%
PAE203842	BPT102181	37%	98.7%	100%
PAE203842	BCE107483	43%	97.3%	89.4%
PAE203842	BFU110988	56%	97.0%	86.3%
PAE203842	BMA108476	35%	97.7%	95.9%
PAE203842	BMA104510	45%	96.6%	91.0%
PAE203842	EBC100771	62%	46.0%	100%
PAE203842	KPN304389	56%	98.0%	99.0%
PAE203842	PAE203842	100%	100%	100%
PAE203863	BPT100646	25%	24.7%	64.5%
PAE203863	CTR100382	20%	41.4%	62.4%
PAE203863	EFM102626	27%	18.7%	81.5%
PAE203863	KPN204198	29%	45.9%	63.6%
PAE203863	MBV101369	25%	41.6%	85.0%
PAE203863	MTU203431	25%	41.6%	85.0%
PAE203863	PAE201149	49%	85.7%	81.0%
PAE203863	PAE203863	100%	100%	100%
PAE203863	PPU106908	29%	39.8%	35.9%
PAE203863	PSY101314	27%	61.5%	68.7%
PAE203863	PSY100814	29%	44.1%	70.7%
PAE203863	SAU301268	17%	36.9%	50.8%
PAE203863	SAU301276	26%	31.0%	48.7%
PAE203863	SPY200199	23%	31.3%	82.9%
PAE203863	YPS001602	26%	46.2%	68.0%
PAE203873	BMA100869	64%	96.2%	3.9%
PAE203873	CDP101678	33%	97.0%	98.2%
PAE203873	EBC100329	68%	37.6%	94.1%
PAE203873	ECO101196	60%	96.2%	97.2%
PAE203873	KPN303485	58%	96.4%	97.6%
PAE203873	MCA101703	59%	93.6%	5.0%
PAE203873	MAV102347	42%	94.9%	92.7%
PAE203873	MBV104795	42%	94.9%	92.7%
PAE203873	MLP100509	32%	96.6%	87.4%
PAE203873	MTU200266	42%	94.9%	92.7%
PAE203873	PRT102088	59%	94.9%	95.9%
PAE203873	PAE203873	100%	100%	100%
PAE203873	SPA102627	58%	95.5%	96.5%
PAE203873	STY102957	58%	96.2%	96.8%
PAE203873	STM100366	59%	95.5%	96.5%
PAE203874	ABA105006	27%	89.1%	86.2%
PAE203874	BAN113548	25%	91.0%	97.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203874	BAN101508	30%	91.0%	95.1%
PAE203874	BFR11590	20%	90.7%	93.8%
PAE203874	CDP101680	39%	79.8%	98.2%
PAE203874	MGE100300	20%	53.4%	51.3%
PAE203874	PAE203874	100%	100%	100%
PAE203874	SAU802388	26%	92.3%	95.9%
PAE203874	SEP200983	26%	94.4%	98.7%
PAE203874	SHA100354	30%	54.5%	93.1%
PAE203874	SPN401452	20%	92.8%	97.7%
PAE203874	YPS001594	26%	35.3%	89.1%
PAE203877	BMA104367	65%	79.4%	70.3%
PAE203877	PAE203877	100%	100%	100%
PAE203928	BPT102993	68%	97.7%	96.6%
PAE203928	PAE203928	100%	100%	100%
PAE203928	PPU102676	83%	100%	100%
PAE203928	PSY101364	77%	100%	100%
PAE203928	YPS001125	50%	97.3%	93.1%
PAE203981	ABA104991	40%	96.7%	93.6%
PAE203981	BPT100972	34%	95.5%	100%
PAE203981	BBU100236	22%	89.0%	88.9%
PAE203981	BCE102700	34%	90.8%	81.6%
PAE203981	BFU103489	35%	92.4%	89.6%
PAE203981	BMA107358	33%	69.9%	96%
PAE203981	CJU101021	27%	45.0%	49.9%
PAE203981	CPN200092	27%	64.2%	66.2%
PAE203981	CTR200810	24%	81.6%	81.9%
PAE203981	CDP101117	27%	71.6%	81.2%
PAE203981	EBC102934	39%	95.1%	96.1%
PAE203981	ECO100647	40%	94.1%	95.9%
PAE203981	HIN100288	36%	94.5%	93.5%
PAE203981	HPY100177	23%	49.5%	56.9%
PAE203981	KPN302711	40%	96.9%	97.3%
PAE203981	LPN102781	31%	82.8%	97.2%
PAE203981	MCA100961	39%	96.1%	96.4%
PAE203981	MAV106114	26%	85.9%	78.3%
PAE203981	MBV105708	28%	92.6%	86.3%
PAE203981	MLP100891	25%	96.1%	79.7%
PAE203981	MTU202018	25%	97.1%	58.7%
PAE203981	NGO101835	33%	95.9%	95.3%
PAE203981	NME200849	32%	95.9%	95.3%
PAE203981	PMU101032	36%	97.7%	96.5%
PAE203981	PRT102866	37%	96.5%	97.8%
PAE203981	PAE203981	100%	100%	100%
PAE203981	PPU107601	72%	98.2%	99.2%
PAE203981	PSY105070	70%	98.2%	99.2%
PAE203981	SPA102458	37%	73.0%	96.4%
PAE203981	STY101797	40%	93.5%	94.7%
PAE203981	TPA100413	24%	95.1%	93.2%
PAE203981	TPA100249	26%	89.2%	88.5%
PAE203981	VCH100942	39%	94.5%	96.4%
PAE203981	YPS001211	40%	93.3%	93.6%
PAE204021	ABA100605	70%	98.5%	99.1%
PAE204021	BCE105952	74%	95.7%	95.3%
PAE204021	BFU107936	73%	95.5%	94.8%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204021	BMA105222	76%	92.0%	95.5%
PAE204021	CAC100786	50%	92.0%	94.0%
PAE204021	CDF101327	51%	94.2%	95.6%
PAE204021	EFA201363	49%	95.0%	96.9%
PAE204021	ECO102392	50%	95.0%	94.2%
PAE204021	KPN308452	69%	96.6%	96.8%
PAE204021	LMO101037	51%	95.0%	96.9%
PAE204021	PAE204021	100%	100%	100%
PAE204021	PPU108165	90%	100%	100%
PAE204021	PSY102222	88%	100%	100%
PAE204021	SPA100121	43%	76.3%	100%
PAE204021	STY101536	50%	95.0%	97.1%
PAE204021	SPY100064	60%	46.1%	91.4%
PAE204024	PAE204024	100%	100%	100%
PAE204024	PPU104680	28%	71.7%	96.8%
PAE204024	PSY103650	31%	79.1%	92.4%
PAE204024	VCH101574	31%	72.1%	79.2%
PAE204034	BBU100753	37%	69.5%	68.6%
PAE204034	CBO103609	33%	69.2%	70.7%
PAE204034	CBO101700	38%	70.5%	73.9%
PAE204034	CDF101604	32%	67.9%	69.5%
PAE204034	CDF103540	35%	69.2%	71.9%
PAE204034	CDF103376	33%	71.4%	76.0%
PAE204034	CDP101268	27%	93.8%	96.1%
PAE204034	EFA202336	30%	82.8%	83.6%
PAE204034	EFM201394	28%	70.8%	88.7%
PAE204034	EFM200486	31%	71.1%	72.6%
PAE204034	LMO100319	29%	98.1%	96.3%
PAE204034	LMO100853	31%	87.0%	87.7%
PAE204034	PAE203670	61%	98.7%	98.7%
PAE204034	PAE204034	100%	100%	100%
PAE204034	SAU802341	33%	70.1%	71.6%
PAE204034	SEP100950	31%	71.8%	90.2%
PAE204034	SMU100963	36%	72.7%	73.5%
PAE204034	SPN401237	31%	71.1%	82.1%
PAE204034	SPY201329	34%	71.1%	91.3%
PAE204034	TPA100871	33%	65.9%	75%
PAE204034	UUR100092	34%	68.2%	89.0%
PAE204036	PAE203668	53%	100%	99.7%
PAE204036	PAE204036	100%	100%	100%
PAE204036	TPA100869	21%	73.8%	83.8%
PAE204064	ABA104132	28%	87.9%	85.0%
PAE204064	BPT102085	36%	97.0%	95.8%
PAE204064	BCE101419	24%	91.8%	94.6%
PAE204064	BFU110652	27%	97.0%	95.9%
PAE204064	BMA102714	26%	94.0%	95.9%
PAE204064	EBC101097	45%	88.8%	90.5%
PAE204064	ECO101227	44%	97.8%	98.6%
PAE204064	KPN301099	45%	95.3%	97.2%
PAE204064	PMU100331	41%	96.6%	98.5%
PAE204064	PRT100743	42%	96.1%	98.6%
PAE204064	PAE204064	100%	100%	100%
PAE204064	PPU108105	68%	100%	100%
PAE204064	PSY102225	62%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204064	SPA103429	43%	99.1%	99.5%
PAE204064	STY103017	43%	99.1%	99.5%
PAE204064	VCH103587	44%	96.6%	98.6%
PAE204064	YPS000864	42%	97.8%	98.6%
PAE204067	ABA104145	37%	94.6%	95.4%
PAE204067	BFU102407	27%	88.6%	90.2%
PAE204067	BMA105038	29%	94.0%	91.8%
PAE204067	CBO102403	35%	29.4%	30.1%
PAE204067	CBO101996	36%	29.4%	30.2%
PAE204067	EBC101162	29%	96.8%	97.7%
PAE204067	ECO101355	28%	95.6%	96.7%
PAE204067	KPN300181	27%	20.9%	46.8%
PAE204067	KPN304960	29%	98.1%	98.7%
PAE204067	PAE204067	100%	100%	100%
PAE204078	BMA100911	21%	35.7%	42.4%
PAE204078	EBC100065	26%	35.7%	89.3%
PAE204078	ECO100918	31%	19.2%	37.4%
PAE204078	MTU407268	25%	50.4%	36.6%
PAE204078	PRT101730	23%	47.2%	92.0%
PAE204078	PAE204078	100%	100%	100%
PAE204078	PPU110921	23%	33.1%	36.5%
PAE204078	YPS002776	24%	94.0%	94.6%
PAE204102	PAE204102	100%	100%	100%
PAE204102	PPU111397	53%	97.2%	100%
PAE204103	HIN101567	46%	94.9%	91.5%
PAE204103	NGO100775	52%	97.1%	94.4%
PAE204103	NME200216	51%	97.1%	97.1%
PAE204103	PMU100211	46%	96.4%	95.4%
PAE204103	PAE204103	100%	100%	100%
PAE204103	PPU103701	75%	94.2%	87.2%
PAE204119	BAN101423	35%	65.3%	60.4%
PAE204119	BAN104355	36%	78.4%	70.9%
PAE204119	BPT105862	40%	86.9%	82.2%
PAE204119	BCE110171	39%	77.6%	74.3%
PAE204119	BFU103157	61%	95.8%	98.8%
PAE204119	BMA102951	59%	97.3%	99.6%
PAE204119	CJU100021	32%	76.4%	72.3%
PAE204119	CDF101613	34%	76.4%	70.3%
PAE204119	CDF103166	38%	75.7%	69.7%
PAE204119	CDP100223	35%	81.1%	76.3%
PAE204119	EBC101919	67%	79.5%	2.6%
PAE204119	KPN303993	70%	95.0%	1.3%
PAE204119	LMO102616	32%	81.5%	77.0%
PAE204119	MAV100179	38%	86.5%	81.7%
PAE204119	MBV101328	38%	86.5%	81.5%
PAE204119	MLP101033	37%	86.5%	90.5%
PAE204119	MTU202955	38%	86.5%	90.4%
PAE204119	PMU101529	66%	96.1%	97.6%
PAE204119	PAE204119	100%	100%	100%
PAE204119	SPA104517	75%	78.8%	95.8%
PAE204119	STY103635	75%	82.6%	1.6%
PAE204119	STM102228	75%	82.6%	1.6%
PAE204119	SAU800968	35%	91.1%	81%
PAE204119	SEP200184	36%	91.1%	80.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204119	SHA101674	35%	91.9%	80.7%
PAE204119	YPS003019	41%	68.3%	63.2%
PAE204121	BCE102997	61%	91.9%	99.6%
PAE204121	BFU103152	70%	92.2%	98.6%
PAE204121	BMA106487	61%	91.9%	99.6%
PAE204121	CAC102376	27%	50.8%	30.8%
PAE204121	EBC101921	64%	92.5%	100%
PAE204121	KPN303997	65%	92.8%	99.6%
PAE204121	PMU101531	59%	91.9%	100%
PAE204121	PAE204121	100%	100%	100%
PAE204121	SPA100925	59%	90.2%	100%
PAE204121	STY103641	64%	92.5%	100%
PAE204121	STM102231	65%	92.5%	100%
PAE204121	YPS001244	62%	91.9%	98.6%
PAE204122	BCE100122	51%	93.8%	94.6%
PAE204122	BFU107803	41%	61.5%	92.0%
PAE204122	BMA100595	52%	93.8%	94.6%
PAE204122	EBC101922	71%	93.8%	96.8%
PAE204122	KPN303998	66%	93.8%	96.8%
PAE204122	PMU101532	52%	93.8%	96.1%
PAE204122	PAE204122	100%	100%	100%
PAE204122	SPA100926	65%	92.3%	96.7%
PAE204122	STY103643	67%	93.8%	96.8%
PAE204122	STM102232	68%	93.8%	96.8%
PAE204122	VCH102632	25%	86.9%	93.1%
PAE204122	YPS001247	58%	93.8%	92.4%
PAE204129	ABA105849	38%	99.2%	98.5%
PAE204129	BPT100299	40%	98.1%	90.8%
PAE204129	BCE115030	59%	94.5%	100%
PAE204129	BFU109426	60%	98.1%	98.1%
PAE204129	BMA109456	54%	98.7%	98.0%
PAE204129	EBC102662	45%	99.6%	99.6%
PAE204129	EFM101977	34%	27.6%	89.7%
PAE204129	ECO101410	45%	99.2%	99.4%
PAE204129	KPN304036	45%	98.7%	98.7%
PAE204129	LMO100435	28%	91.3%	89.6%
PAE204129	PRT101784	47%	98.3%	98.1%
PAE204129	PAE204129	100%	100%	100%
PAE204129	PPU110179	75%	99.4%	99.8%
PAE204129	PSY104974	72%	99.4%	99.8%
PAE204129	SPA100033	49%	74.3%	99.7%
PAE204129	STY103755	46%	99.6%	98.5%
PAE204129	SAU800108	27%	87.9%	93.4%
PAE204129	VCH103591	45%	99.6%	98.9%
PAE204129	YPS002618	48%	99.6%	98.9%
PAE204130	BAN103246	20%	45.5%	68.5%
PAE204130	ECO202247	24%	31.6%	26.2%
PAE204130	PAE201553	87%	100%	100%
PAE204130	PAE204130	100%	100%	100%
PAE204130	PPU107231	83%	99.8%	98.8%
PAE204130	PSY102496	80%	100%	99.0%
PAE204155	ABA104707	30%	88.7%	91.4%
PAE204155	BAN106461	45%	95.8%	95.1%
PAE204155	BAN106939	50%	97.4%	94.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204155	BCE111947	45%	96.2%	90.8%
PAE204155	BFU104113	46%	95.1%	87.8%
PAE204155	BMA104136	47%	91.7%	82.1%
PAE204155	CJU101278	33%	86.8%	91.2%
PAE204155	CAC102551	45%	94.3%	95.1%
PAE204155	CBO101131	49%	87.9%	89.7%
PAE204155	CBO101508	47%	89.4%	86.2%
PAE204155	CDF102682	45%	89.4%	91.5%
PAE204155	CDP100081	45%	92.1%	90.4%
PAE204155	EBC100144	60%	86.8%	98.7%
PAE204155	EFA202025	38%	94.7%	94.7%
PAE204155	EFM201693	36%	83.4%	87.6%
PAE204155	ECO100578	61%	97.4%	95.6%
PAE204155	HPY100874	28%	82.6%	86.7%
PAE204155	KPN304817	60%	96.2%	97.0%
PAE204155	LMO102143	49%	95.1%	92.3%
PAE204155	MCA100484	33%	87.2%	76.2%
PAE204155	NGO100089	39%	86.8%	90.9%
PAE204155	NME200417	40%	86.8%	90.9%
PAE204155	PMU100128	45%	94.7%	97.7%
PAE204155	PRT102499	36%	86.0%	90.4%
PAE204155	PAE204155	100%	100%	100%
PAE204155	PSY102150	47%	94.7%	95.4%
PAE204155	SPA102129	60%	96.2%	82.8%
PAE204155	STY101358	60%	96.2%	97.0%
PAE204155	STM103175	41%	94.7%	97.4%
PAE204155	SAU800647	49%	95.5%	95.8%
PAE204155	SEP200677	48%	95.1%	95.5%
PAE204155	SHA101591	48%	95.5%	95.8%
PAE204155	SMU100116	36%	84.2%	82.8%
PAE204155	SPN400938	45%	95.8%	96.6%
PAE204155	SPY200282	49%	94.7%	96.9%
PAE204155	UUR100440	28%	88.7%	72.4%
PAE204155	UUR100067	38%	84.9%	77.7%
PAE204155	VCH100766	61%	95.8%	91.4%
PAE204155	YPS002946	54%	95.8%	90.1%
PAE204223	ABA105069	32%	47.4%	76.7%
PAE204223	BAN105613	30%	49.0%	62.7%
PAE204223	BAN109714	28%	23.3%	65.3%
PAE204223	BAN105113	36%	56.5%	98.4%
PAE204223	BAN109456	31%	73.0%	60.3%
PAE204223	BCE110197	68%	50.3%	100%
PAE204223	CDP101614	41%	54.2%	45.1%
PAE204223	PAE204223	100%	100%	100%
PAE204235	ABA100130	80%	93.0%	96%
PAE204235	BAN103288	47%	84.5%	97.5%
PAE204235	BAN102478	47%	84.5%	97.5%
PAE204235	BFR100896	52%	90.7%	72.7%
PAE204235	BPT100897	70%	92.2%	90.8%
PAE204235	BBU100502	43%	93.0%	97.6%
PAE204235	BCE109774	66%	100%	98.5%
PAE204235	BFU101597	68%	100%	100%
PAE204235	BMA104335	71%	92.2%	90.8%
PAE204235	CJU101502	43%	89.9%	99.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204235	CPN200120	42%	89.9%	98.6%
PAE204235	CTR200782	39%	89.9%	98.6%
PAE204235	CAC100809	41%	84.5%	95.6%
PAE204235	CBO102497	42%	84.5%	96.5%
PAE204235	CDF102169	45%	84.5%	96.5%
PAE204235	CDP100024	47%	96.1%	79.6%
PAE204235	EBC103646	75%	99.2%	98.4%
PAE204235	EFA201974	43%	86.0%	98.4%
PAE204235	EFM201685	44%	86.0%	99.2%
PAE204235	ECO103217	75%	99.2%	98.4%
PAE204235	HIN100784	75%	98.4%	96.9%
PAE204235	HPY101274	43%	89.9%	100%
PAE204235	KPN300813	78%	91.5%	92.2%
PAE204235	LMO100340	40%	84.5%	97.8%
PAE204235	MCA100427	84%	92.2%	100%
PAE204235	MAV101006	51%	85.3%	75.3%
PAE204235	MBV100492	50%	85.3%	61.1%
PAE204235	MLP101193	50%	85.3%	64.7%
PAE204235	MTU203409	50%	85.3%	61.1%
PAE204235	MGE100181	33%	82.2%	91.1%
PAE204235	MPN100639	35%	82.2%	90.3%
PAE204235	NGO100883	68%	92.2%	97.5%
PAE204235	NME200096	68%	92.2%	97.5%
PAE204235	PMU101389	78%	92.2%	92.2%
PAE204235	PRT101773	74%	100%	100%
PAE204235	PAE204235	100%	100%	100%
PAE204235	PPU104535	94%	100%	100%
PAE204235	PSY105785	93%	100%	100%
PAE204235	SPA104312	74%	99.2%	98.4%
PAE204235	STY101829	75%	99.2%	98.4%
PAE204235	SAU802223	45%	84.5%	97.5%
PAE204235	SEP202058	45%	84.5%	97.5%
PAE204235	SHA100503	45%	85.3%	97.6%
PAE204235	SMU100584	43%	84.5%	97.7%
PAE204235	SPN400216	42%	84.5%	97.7%
PAE204235	SPY101855	42%	84.5%	97.7%
PAE204235	TPA100211	52%	90.7%	71.3%
PAE204235	UUR100260	41%	81.4%	93.3%
PAE204235	VCH102533	76%	99.2%	98.4%
PAE204235	YPS002494	74%	100%	100%
PAE204241	ABA100105	64%	93.7%	93.1%
PAE204241	BAN100422	41%	49.3%	95.7%
PAE204241	BAN100831	32%	89.4%	92.7%
PAE204241	BAN109756	41%	94.6%	97.7%
PAE204241	BAN106840	40%	94.1%	97.7%
PAE204241	BFR12413	40%	95.2%	95.1%
PAE204241	BPT100873	64%	99.5%	99.8%
PAE204241	BBU100497	34%	92.8%	94.9%
PAE204241	BCE109015	63%	93.2%	98.4%
PAE204241	BFU100380	60%	99.5%	98.4%
PAE204241	BMA107419	64%	93.2%	98.3%
PAE204241	CJU101592	42%	91.9%	96.0%
PAE204241	CPN200116	37%	95.2%	96.5%
PAE204241	CTR200786	38%	95.2%	97.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204241	CAC102097	36%	95.9%	99.8%
PAE204241	CBO103220	38%	95.7%	99.8%
PAE204241	CDF103985	39%	92.5%	96.2%
PAE204241	CDP100001	41%	93.7%	97.7%
PAE204241	EBC103637	65%	98.9%	99.8%
PAE204241	EFA201979	38%	94.1%	97.7%
PAE204241	EFM200235	37%	92.8%	96.5%
PAE204241	ECO103223	65%	98.9%	99.8%
PAE204241	HIN100778	60%	98.9%	99.8%
PAE204241	HPY101282	42%	93.2%	97.4%
PAE204241	KPN300616	59%	79.4%	100%
PAE204241	LPN101432	56%	82.4%	99.2%
PAE204241	LMO101544	40%	93.9%	97.7%
PAE204241	MCA100141	61%	92.3%	92.7%
PAE204241	MAV102070	40%	93.4%	94.7%
PAE204241	MBV101627	40%	93.4%	97.3%
PAE204241	MLP101115	40%	93.4%	97.3%
PAE204241	MTU200729	40%	93.4%	97.3%
PAE204241	MGE100173	35%	90.7%	86.3%
PAE204241	MPN100647	35%	90.7%	86.0%
PAE204241	NGO100896	52%	98.6%	99.3%
PAE204241	NME200103	53%	98.6%	99.3%
PAE204241	PMU101395	62%	98.9%	99.8%
PAE204241	PRT100105	69%	48.0%	99.1%
PAE204241	PAE204241	100%	100%	100%
PAE204241	PPU112340	92%	100%	100%
PAE204241	PSY100299	94%	100%	100%
PAE204241	SPA104324	64%	95.7%	100%
PAE204241	STY101824	65%	98.9%	99.8%
PAE204241	SAU802230	38%	92.5%	96.0%
PAE204241	SEP200245	39%	92.5%	96.0%
PAE204241	SHA100178	36%	81.0%	98.4%
PAE204241	SMU100598	36%	92.3%	95.2%
PAE204241	SPN400209	36%	94.1%	97.0%
PAE204241	SPY200057	36%	93.0%	95.9%
PAE204241	TPA100206	37%	96.2%	94.9%
PAE204241	UUR100252	32%	89.6%	87.5%
PAE204241	VCH102539	65%	96.6%	97.3%
PAE204241	YPS002488	65%	98.6%	99.5%
PAE204242	ABA100106	62%	100%	98.6%
PAE204242	BAN100388	37%	99.3%	98.6%
PAE204242	BAN101282	46%	99.3%	98.6%
PAE204242	BFR100671	40%	97.2%	96.6%
PAE204242	BPT100871	59%	97.2%	95.9%
PAE204242	BBU100496	36%	93.8%	94.5%
PAE204242	BCE108533	55%	100%	100%
PAE204242	BFU100391	56%	100%	100%
PAE204242	BMA101533	55%	100%	100%
PAE204242	CJU101593	39%	74.3%	82.3%
PAE204242	CPN200115	44%	80.6%	82.6%
PAE204242	CTR200787	40%	94.4%	97.9%
PAE204242	CAC101804	43%	99.3%	98.6%
PAE204242	CBO103582	45%	99.3%	98.6%
PAE204242	CDF100735	44%	99.3%	96.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204242	CDP101730	39%	97.2%	93.9%
PAE204242	EBC103640	64%	100%	100%
PAE204242	EFA201980	45%	99.3%	98.6%
PAE204242	EFM201975	44%	99.3%	98.6%
PAE204242	ECO103224	64%	100%	100%
PAE204242	HIN100777	63%	100%	100%
PAE204242	HPY101283	59%	45.8%	48.9%
PAE204242	KPN300615	63%	96.5%	100%
PAE204242	LPN100259	53%	100%	100%
PAE204242	LMO102003	43%	99.3%	98.6%
PAE204242	MCA100140	62%	100%	98.6%
PAE204242	MAV102081	34%	97.2%	95.2%
PAE204242	MBV101609	36%	97.2%	95.2%
PAE204242	MLP101118	36%	97.2%	95.2%
PAE204242	MTU200720	36%	97.2%	95.2%
PAE204242	MGE100172	40%	71.5%	70.7%
PAE204242	MPN100648	38%	97.2%	95.4%
PAE204242	NGO100899	58%	99.3%	99.3%
PAE204242	NME200104	58%	99.3%	99.3%
PAE204242	PMU101396	63%	100%	100%
PAE204242	PRT103332	63%	100%	100%
PAE204242	PAE204242	100%	100%	100%
PAE204242	PPU104529	88%	100%	100%
PAE204242	PSY107337	86%	100%	100%
PAE204242	SPA104326	65%	100%	100%
PAE204242	STY101823	65%	100%	100%
PAE204242	SAU802231	42%	99.3%	98.6%
PAE204242	SEP200247	42%	99.3%	98.6%
PAE204242	SHA100093	51%	59.7%	100%
PAE204242	SMU100599	42%	99.3%	98.6%
PAE204242	SPN400208	43%	99.3%	98.6%
PAE204242	SPY200056	44%	99.3%	98.6%
PAE204242	TPA100205	36%	92.4%	88.9%
PAE204242	UUR100251	37%	95.1%	91.9%
PAE204242	VCH102540	64%	100%	100%
PAE204242	YPS002485	68%	100%	100%
PAE204243	ABA100108	70%	98.3%	98.3%
PAE204243	BAN104365	40%	93.1%	90%
PAE204243	BFR100963	39%	96.6%	96.6%
PAE204243	BPT104115	52%	91.4%	86.9%
PAE204243	BFU104042	62%	93.1%	85.7%
PAE204243	BMA107387	62%	96.6%	88.9%
PAE204243	CAC103086	54%	98.3%	100%
PAE204243	CBO100965	54%	98.3%	96.6%
PAE204243	CDF102795	42%	96.6%	91.8%
PAE204243	CDP102962	40%	93.1%	88.5%
PAE204243	EBC103644	56%	94.8%	93.2%
PAE204243	EFA205229	42%	98.3%	96.6%
PAE204243	EFM200795	43%	98.3%	96.6%
PAE204243	ECO103225	56%	94.8%	93.2%
PAE204243	HIN100776	58%	94.8%	93.2%
PAE204243	KPN300492	53%	93.1%	94.7%
PAE204243	LPN102267	50%	93.1%	88.5%
PAE204243	LMO100063	40%	98.3%	96.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204243	MCA102911	64%	98.3%	96.6%
PAE204243	MAV102080	37%	96.6%	78.9%
PAE204243	MBV101607	36%	98.3%	87.7%
PAE204243	MLP101119	38%	98.3%	80.3%
PAE204243	MTU200719	36%	98.3%	87.7%
PAE204243	NGO102470	68%	93.1%	88.5%
PAE204243	NME200105	70%	93.1%	88.5%
PAE204243	PMU101397	56%	94.8%	93.2%
PAE204243	PRT100559	60%	94.8%	90.2%
PAE204243	PAE204243	100%	100%	100%
PAE204243	PPU108173	86%	100%	100%
PAE204243	PSY107474	81%	100%	100%
PAE204243	SPA106249	54%	94.8%	93.2%
PAE204243	STY105107	54%	94.8%	93.2%
PAE204243	SAU802232	42%	98.3%	96.6%
PAE204243	SEP202555	42%	98.3%	95%
PAE204243	SHA100092	43%	98.3%	96.6%
PAE204243	SMU102834	40%	98.3%	95%
PAE204243	SPN400207	40%	98.3%	95%
PAE204243	SPY200055	38%	98.3%	95%
PAE204243	VCH102541	66%	98.3%	98.3%
PAE204243	YPS004281	60%	94.8%	93.2%
PAE204244	ABA100109	80%	99.4%	98.8%
PAE204244	BAN111381	54%	92.2%	92.7%
PAE204244	BAN112822	56%	92.2%	92.2%
PAE204244	BFR10783	48%	91.6%	88.4%
PAE204244	BPT100869	59%	97.6%	94.7%
PAE204244	BBU100494	47%	92.2%	92.7%
PAE204244	BCE102110	63%	75.3%	91.9%
PAE204244	BFU100390	62%	96.4%	93.0%
PAE204244	BMA101481	63%	96.4%	94.7%
PAE204244	CJU101594	48%	84.9%	95.9%
PAE204244	CPN200114	40%	98.8%	98.8%
PAE204244	CTR200788	42%	95.2%	95.8%
PAE204244	CAC100146	54%	92.2%	92.7%
PAE204244	CBO100463	52%	92.2%	92.7%
PAE204244	CDF100733	54%	92.2%	90.5%
PAE204244	CDP101728	55%	98.2%	78.4%
PAE204244	EBC103648	77%	100%	99.4%
PAE204244	EFA201981	52%	92.2%	92.2%
PAE204244	EFM200438	50%	92.2%	92.2%
PAE204244	ECO103226	77%	100%	98.8%
PAE204244	HIN100775	73%	98.8%	98.8%
PAE204244	HPY101284	49%	88.0%	95.4%
PAE204244	KPN300491	76%	100%	98.8%
PAE204244	LPN100995	63%	100%	98.8%
PAE204244	LMO101368	52%	92.2%	91.6%
PAE204244	MCA100160	80%	100%	99.4%
PAE204244	MAV102079	55%	92.8%	68.4%
PAE204244	MBV101605	55%	92.8%	70%
PAE204244	MLP101120	56%	89.2%	68.2%
PAE204244	MTU200718	55%	92.8%	70%
PAE204244	MGE100171	41%	91.6%	72.0%
PAE204244	MPN100649	38%	98.2%	77.2%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204244	NGO100919	56%	100%	97.1%
PAE204244	NME200106	56%	100%	97.1%
PAE204244	PMU101398	75%	100%	99.4%
PAE204244	PRT100558	74%	100%	99.4%
PAE204244	PAE204244	100%	100%	100%
PAE204244	PPU104527	93%	99.4%	99.4%
PAE204244	PSY105833	91%	100%	100%
PAE204244	SPA104328	77%	100%	98.8%
PAE204244	STY101822	77%	100%	98.8%
PAE204244	SAU802233	52%	99.4%	98.8%
PAE204244	SEP200249	52%	99.4%	98.8%
PAE204244	SHA100091	52%	99.4%	98.8%
PAE204244	SMU100600	53%	91.6%	92.7%
PAE204244	SPN400206	52%	91.6%	92.7%
PAE204244	SPY200054	54%	91.6%	92.7%
PAE204244	TPA100204	47%	97.0%	93.6%
PAE204244	UUR100250	46%	91.6%	75.4%
PAE204244	VCH102542	68%	99.4%	98.8%
PAE204244	YPS002482	79%	92.2%	91.6%
PAE204245	ABA100110	75%	100%	100%
PAE204245	BAN106991	57%	97.4%	95%
PAE204245	BFR100058	48%	77.6%	100%
PAE204245	BPT100868	57%	97.4%	98.3%
PAE204245	BBU100493	36%	94.8%	92.4%
PAE204245	BCE113907	57%	97.4%	98.3%
PAE204245	BFU100389	58%	97.4%	98.3%
PAE204245	BMA109275	57%	97.4%	98.3%
PAE204245	CJU101595	33%	95.7%	91.5%
PAE204245	CPN200113	43%	97.4%	94.3%
PAE204245	CTR200789	47%	96.6%	91.1%
PAE204245	CAC102283	53%	97.4%	97.4%
PAE204245	CBO100811	47%	97.4%	92.6%
PAE204245	CDF103929	45%	97.4%	95.1%
PAE204245	CDP101725	51%	97.4%	84.4%
PAE204245	EBC103652	59%	97.4%	98.3%
PAE204245	EFA201982	51%	97.4%	94.9%
PAE204245	EFM200146	52%	97.4%	94.9%
PAE204245	ECO103227	59%	97.4%	98.3%
PAE204245	HIN100774	62%	97.4%	98.3%
PAE204245	HPY101285	37%	94.8%	91.6%
PAE204245	KPN300490	59%	97.4%	98.3%
PAE204245	LPN101342	55%	97.4%	98.3%
PAE204245	LMO102391	54%	97.4%	95.0%
PAE204245	MCA100159	69%	97.4%	97.4%
PAE204245	MAV102077	44%	99.1%	85.9%
PAE204245	MBV101604	47%	99.1%	95.1%
PAE204245	MLP101121	43%	99.1%	95.9%
PAE204245	MTU200717	47%	99.1%	95.1%
PAE204245	MGE100170	35%	97.4%	95.7%
PAE204245	MPN100650	42%	98.3%	100%
PAE204245	NGO100921	63%	97.4%	98.3%
PAE204245	NME200107	63%	97.4%	98.3%
PAE204245	PMU101399	61%	97.4%	98.3%
PAE204245	PRT100557	57%	97.4%	98.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204245	PAE204245	100%	100%	100%
PAE204245	PPU104526	88%	100%	100%
PAE204245	PSY105780	89%	84.5%	100%
PAE204245	SPA104494	51%	97.4%	98.3%
PAE204245	STY101821	59%	97.4%	98.3%
PAE204245	SAU802234	48%	97.4%	95.0%
PAE204245	SEP200251	50%	97.4%	95%
PAE204245	SHA100055	49%	97.4%	95%
PAE204245	SMU100601	52%	97.4%	94.9%
PAE204245	SPN400205	53%	97.4%	94.9%
PAE204245	SPY200053	54%	97.4%	94.9%
PAE204245	TPA100203	37%	94.0%	92.5%
PAE204245	UUR100249	42%	97.4%	94.2%
PAE204245	VCH102543	63%	97.4%	98.3%
PAE204245	YPS002455	57%	97.4%	98.3%
PAE204246	ABA100111	59%	100%	100%
PAE204246	BAN102950	46%	98.9%	99.4%
PAE204246	BAN110172	50%	98.9%	98.3%
PAE204246	BFR10781	42%	98.9%	97.4%
PAE204246	BPT100867	59%	100%	100%
PAE204246	BBU100492	40%	98.9%	97.2%
PAE204246	BCE105068	57%	100%	100%
PAE204246	BFU100388	59%	100%	100%
PAE204246	BMA103347	58%	100%	100%
PAE204246	CJU101596	53%	98.9%	97.8%
PAE204246	CPN200112	44%	98.9%	96.2%
PAE204246	CTR200790	46%	98.9%	96.2%
PAE204246	CAC101071	48%	98.9%	98.3%
PAE204246	CBO102597	47%	98.9%	97.8%
PAE204246	CDF100753	49%	98.9%	97.8%
PAE204246	CDP101722	44%	98.9%	98.3%
PAE204246	EBC103655	62%	100%	100%
PAE204246	EFA201983	49%	98.9%	98.3%
PAE204246	EFM201241	46%	98.9%	98.3%
PAE204246	ECO103228	62%	100%	100%
PAE204246	HIN100773	65%	100%	100%
PAE204246	HPY101286	50%	98.9%	97.8%
PAE204246	KPN300489	82%	19.8%	100%
PAE204246	LPN100869	53%	100%	100%
PAE204246	LMO102101	48%	98.9%	98.3%
PAE204246	MCA100158	58%	100%	100%
PAE204246	MAV102075	47%	98.9%	98.3%
PAE204246	MBV101643	46%	98.9%	98.3%
PAE204246	MLP101122	46%	98.9%	98.3%
PAE204246	MTU200716	46%	98.9%	98.3%
PAE204246	MGE100169	42%	98.9%	96.7%
PAE204246	MPN100651	43%	98.9%	96.7%
PAE204246	NGO100923	62%	100%	100%
PAE204246	NME200108	62%	100%	100%
PAE204246	PMU101400	67%	100%	100%
PAE204246	PRT100556	62%	100%	100%
PAE204246	PAE204246	100%	100%	100%
PAE204246	PPU104525	90%	100%	100%
PAE204246	PSY100295	88%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204246	SPA104330	62%	100%	100%
PAE204246	STY101820	62%	100%	100%
PAE204246	SAU802235	43%	98.9%	98.3%
PAE204246	SEP200253	44%	98.9%	98.3%
PAE204246	SHA100054	54%	58.8%	97.2%
PAE204246	SMU100602	46%	98.9%	98.3%
PAE204246	SPN400204	46%	98.9%	98.3%
PAE204246	SPY200052	44%	98.9%	98.3%
PAE204246	TPA100202	38%	98.9%	97.8%
PAE204246	UUR100248	39%	98.9%	96.7%
PAE204246	VCH102544	62%	100%	100%
PAE204246	YPS002454	66%	100%	100%
PAE204247	ABA100112	67%	99.2%	99.2%
PAE204247	BAN113611	49%	96.9%	94.1%
PAE204247	BAN101892	49%	100%	100%
PAE204247	BFR10780	44%	98.5%	100%
PAE204247	BPT100866	64%	99.2%	99.2%
PAE204247	BBU100491	33%	100%	100%
PAE204247	BCE101537	65%	99.2%	99.2%
PAE204247	BFU100387	66%	99.2%	99.2%
PAE204247	BMA101128	65%	99.2%	99.2%
PAE204247	CJU101597	41%	98.5%	99.2%
PAE204247	CPN200111	42%	96.9%	96.2%
PAE204247	CTR200791	41%	96.9%	96.2%
PAE204247	CAC102421	50%	100%	100%
PAE204247	CBO102964	50%	100%	100%
PAE204247	CDF100752	46%	100%	100%
PAE204247	CDP101719	53%	100%	100%
PAE204247	EBC103658	63%	99.2%	99.2%
PAE204247	EFA201984	46%	100%	100%
PAE204247	EFM200970	44%	100%	100%
PAE204247	ECO103229	64%	99.2%	99.2%
PAE204247	HIN100772	64%	99.2%	99.2%
PAE204247	HPY101287	40%	98.5%	99.2%
PAE204247	KPN300573	62%	86.9%	98.3%
PAE204247	LPN100471	55%	99.2%	99.2%
PAE204247	LMO100791	49%	100%	100%
PAE204247	MCA100157	57%	99.2%	99.2%
PAE204247	MAV102073	50%	100%	100%
PAE204247	MBV101642	51%	100%	100%
PAE204247	MLP101123	49%	100%	100%
PAE204247	MTU200715	51%	100%	100%
PAE204247	MGE100168	44%	96.9%	92.2%
PAE204247	MPN100652	46%	96.9%	91.5%
PAE204247	NGO100925	67%	99.2%	99.2%
PAE204247	NME200109	67%	99.2%	99.2%
PAE204247	PMU101401	66%	99.2%	99.2%
PAE204247	PRT100555	65%	99.2%	99.2%
PAE204247	PAE204247	100%	100%	100%
PAE204247	PPU108197	87%	100%	100%
PAE204247	PSY108276	90%	100%	100%
PAE204247	SPA104332	64%	99.2%	99.2%
PAE204247	STY101809	64%	99.2%	99.2%
PAE204247	SAU802236	43%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204247	SEP200255	43%	100%	100%
PAE204247	SHA101609	39%	72.3%	100%
PAE204247	SMU100603	47%	100%	100%
PAE204247	SPN400203	46%	100%	100%
PAE204247	SPY200051	43%	100%	100%
PAE204247	TPA100201	46%	100%	100%
PAE204247	UUR100247	43%	96.9%	97.7%
PAE204247	VCH102545	66%	99.2%	99.2%
PAE204247	YPS002453	65%	99.2%	99.2%
PAE204248	ABA100113	72%	100%	100%
PAE204248	BAN104895	56%	38.6%	63.9%
PAE204248	BAN100258	56%	38.6%	63.9%
PAE204248	BFR103418	48%	95.0%	100%
PAE204248	BPT104100	58%	100%	100%
PAE204248	BBU100490	45%	43.6%	59.5%
PAE204248	BCE114286	56%	100%	100%
PAE204248	BFU100386	57%	100%	100%
PAE204248	BMA106945	58%	100%	100%
PAE204248	CJU101598	51%	42.6%	70.5%
PAE204248	CPN200907	48%	100%	100%
PAE204248	CTR200165	51%	100%	100%
PAE204248	CAC102855	38%	61.4%	88.5%
PAE204248	CBO101206	41%	61.4%	88.5%
PAE204248	CDF102552	41%	55.4%	91.8%
PAE204248	CDP100129	54%	100%	100%
PAE204248	EBC103661	68%	100%	100%
PAE204248	EFA201445	41%	100%	100%
PAE204248	EFA203574	44%	100%	100%
PAE204248	EFM201806	44%	57.4%	93.4%
PAE204248	ECO103230	69%	100%	100%
PAE204248	HIN100771	63%	100%	100%
PAE204248	HPY101288	55%	42.6%	70.5%
PAE204248	KPN300574	67%	100%	100%
PAE204248	LPN101663	42%	100%	100%
PAE204248	LMO102736	48%	100%	100%
PAE204248	MCA100105	69%	100%	100%
PAE204248	MAV102072	51%	44.6%	73.8%
PAE204248	MBV100099	53%	100%	100%
PAE204248	MLP101124	53%	38.6%	63.9%
PAE204248	MTU202023	53%	100%	100%
PAE204248	MGE100167	39%	52.5%	85.2%
PAE204248	MPN100653	42%	44.6%	73.8%
PAE204248	NGO100927	56%	100%	100%
PAE204248	NME200110	56%	100%	100%
PAE204248	PMU101402	65%	100%	100%
PAE204248	PRT100554	66%	100%	100%
PAE204248	PAE204248	100%	100%	100%
PAE204248	PPU109128	86%	100%	100%
PAE204248	PSY100242	86%	100%	100%
PAE204248	SPA104333	64%	100%	100%
PAE204248	STY101808	67%	100%	100%
PAE204248	SAU801336	44%	100%	100%
PAE204248	SEP201993	45%	100%	100%
PAE204248	SHA100036	43%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204248	SMU102003	46%	57.4%	93.4%
PAE204248	SPN400202	53%	100%	100%
PAE204248	SPY201440	38%	100%	100%
PAE204248	TPA100200	46%	44.6%	73.8%
PAE204248	UUR100246	44%	55.4%	90.2%
PAE204248	VCH102546	66%	100%	100%
PAE204248	YPS002452	65%	100%	100%
PAE204249	ABA100107	77%	85.5%	100%
PAE204249	BAN113536	55%	97.8%	97.8%
PAE204249	BAN110693	61%	99.4%	99.4%
PAE204249	BFR10778	54%	99.4%	95.7%
PAE204249	BPT100865	68%	100%	100%
PAE204249	BBU100489	53%	98.3%	96.7%
PAE204249	BCE101479	71%	100%	100%
PAE204249	BFU100385	72%	100%	100%
PAE204249	BMA102975	71%	100%	100%
PAE204249	CJU101599	49%	98.9%	97.8%
PAE204249	CPN200110	51%	99.4%	98.3%
PAE204249	CTR200792	49%	99.4%	98.3%
PAE204249	CAC100782	58%	97.8%	97.2%
PAE204249	CBO103765	58%	98.9%	98.3%
PAE204249	CDF100751	60%	98.3%	97.8%
PAE204249	CDP101582	59%	98.3%	94.1%
PAE204249	EBC103664	67%	99.4%	99.4%
PAE204249	EFA201985	58%	99.4%	99.4%
PAE204249	EFM200921	58%	99.4%	99.4%
PAE204249	ECO103231	68%	99.4%	99.4%
PAE204249	HIN100770	67%	99.4%	99.4%
PAE204249	HPY101289	48%	98.9%	97.8%
PAE204249	KPN300575	73%	78.8%	99.3%
PAE204249	LPN102846	69%	41.9%	94.9%
PAE204249	LMO101852	55%	99.4%	99.4%
PAE204249	MCA100155	68%	99.4%	100%
PAE204249	MAV102069	63%	98.3%	94.1%
PAE204249	MBV101640	63%	98.3%	94.1%
PAE204249	MLP101125	62%	98.3%	94.1%
PAE204249	MTU200713	63%	98.3%	94.1%
PAE204249	MGE100166	52%	98.9%	98.3%
PAE204249	MPN100654	53%	98.3%	97.8%
PAE204249	NGO100929	69%	99.4%	99.4%
PAE204249	NME200111	70%	99.4%	99.4%
PAE204249	PMU101403	67%	99.4%	99.4%
PAE204249	PRT100553	69%	99.4%	93.7%
PAE204249	PAE204249	100%	100%	100%
PAE204249	PPU104523	93%	100%	100%
PAE204249	PSY100243	97%	46.9%	100%
PAE204249	SPA104334	68%	99.4%	99.4%
PAE204249	STY101807	68%	99.4%	99.4%
PAE204249	SAU802238	60%	99.4%	99.4%
PAE204249	SEP200260	58%	99.4%	99.4%
PAE204249	SHA100780	58%	99.4%	99.4%
PAE204249	SMU100604	60%	97.8%	97.2%
PAE204249	SPN400201	61%	97.8%	97.2%
PAE204249	SPY200049	60%	97.8%	97.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204249	TPA100199	54%	97.8%	94.6%
PAE204249	UUR100245	50%	99.4%	96.7%
PAE204249	VCH102547	67%	99.4%	99.4%
PAE204249	YPS002451	68%	99.4%	99.4%
PAE204250	ABA102168	59%	88.5%	100%
PAE204250	BAN110382	54%	87.5%	88.3%
PAE204250	BAN104944	52%	91.3%	92.2%
PAE204250	BFR103505	45%	96.2%	95.3%
PAE204250	BPT104094	53%	100%	98.1%
PAE204250	BBU100488	33%	90.4%	91.1%
PAE204250	BCE110380	58%	94.2%	94.1%
PAE204250	BFU100383	54%	100%	100%
PAE204250	BMA108868	60%	94.2%	94.1%
PAE204250	CJU101600	44%	65.4%	88.3%
PAE204250	CPN200109	39%	87.5%	79.3%
PAE204250	CTR200793	48%	61.5%	55.9%
PAE204250	CAC102906	40%	89.4%	88.7%
PAE204250	CBO100250	44%	89.4%	89.5%
PAE204250	CDF103678	51%	96.2%	98.0%
PAE204250	CDP101580	41%	96.2%	99.0%
PAE204250	EBC103629	67%	97.1%	97.1%
PAE204250	EFA205255	48%	91.3%	92.2%
PAE204250	EFM201757	51%	91.3%	92.2%
PAE204250	ECO103232	65%	97.1%	97.1%
PAE204250	HIN100769	62%	94.2%	95.1%
PAE204250	HPY101290	46%	64.4%	91.8%
PAE204250	KPN305017	65%	97.1%	97.1%
PAE204250	LMO101665	46%	91.3%	92.2%
PAE204250	MCA100154	57%	98.1%	97.1%
PAE204250	MAV102067	48%	96.2%	99.0%
PAE204250	MBV101639	43%	96.2%	99.0%
PAE204250	MLP101126	45%	96.2%	99.0%
PAE204250	MTU200712	43%	96.2%	99.0%
PAE204250	MGE100165	34%	98.1%	100%
PAE204250	MPN100655	36%	94.2%	96.4%
PAE204250	NGO100931	57%	93.3%	93.5%
PAE204250	NME200112	58%	93.3%	93.5%
PAE204250	PMU101404	63%	94.2%	95.1%
PAE204250	PRT103501	61%	34.6%	92.3%
PAE204250	PAE204250	100%	100%	100%
PAE204250	PPU104522	90%	100%	100%
PAE204250	PSY100105	89%	100%	100%
PAE204250	SPA104335	64%	97.1%	97.1%
PAE204250	STY101806	66%	97.1%	97.1%
PAE204250	SAU802239	49%	97.1%	96.2%
PAE204250	SEP200261	50%	97.1%	96.2%
PAE204250	SHA101599	45%	63.5%	91.5%
PAE204250	SMU100605	50%	91.3%	93.1%
PAE204250	SPN400200	46%	91.3%	93.1%
PAE204250	SPY200048	50%	91.3%	93.1%
PAE204250	TPA100198	51%	92.3%	91.3%
PAE204250	UUR100244	38%	94.2%	91.8%
PAE204250	VCH102548	64%	96.2%	95.2%
PAE204250	YPS002450	64%	97.1%	97.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204251	ABA102167	82%	91.0%	96.5%
PAE204251	BAN108009	68%	100%	100%
PAE204251	BFR100659	63%	100%	100%
PAE204251	BPT100864	81%	100%	100%
PAE204251	BBU100487	58%	100%	98.4%
PAE204251	BCE113728	81%	100%	100%
PAE204251	BFU100381	81%	100%	100%
PAE204251	BMA101057	81%	100%	100%
PAE204251	CJU101601	69%	100%	100%
PAE204251	CPN200108	54%	100%	100%
PAE204251	CTR200794	57%	100%	100%
PAE204251	CAC101685	63%	100%	100%
PAE204251	CBO100636	62%	100%	100%
PAE204251	CDF102312	66%	100%	100%
PAE204251	CDP101578	68%	100%	100%
PAE204251	EBC103643	85%	100%	100%
PAE204251	EFA201986	66%	100%	100%
PAE204251	EFM201996	67%	100%	100%
PAE204251	ECO103233	85%	100%	100%
PAE204251	HIN100768	84%	100%	100%
PAE204251	HPY101291	64%	100%	100%
PAE204251	KPN305016	83%	67.2%	100%
PAE204251	LMO100716	64%	100%	100%
PAE204251	MCA100153	83%	100%	100%
PAE204251	MAV102065	65%	100%	100%
PAE204251	MBV101638	65%	100%	100%
PAE204251	MLP101127	64%	92.6%	100%
PAE204251	MTU200711	65%	100%	100%
PAE204251	MGE100164	54%	100%	100%
PAE204251	MPN100656	55%	100%	100%
PAE204251	NGO100934	81%	100%	100%
PAE204251	NME200113	81%	100%	100%
PAE204251	PMU101405	84%	100%	100%
PAE204251	PRT103251	83%	96.7%	99.2%
PAE204251	PAE204251	100%	100%	100%
PAE204251	PPU108200	98%	100%	100%
PAE204251	PSY100106	98%	100%	100%
PAE204251	SPA104303	84%	100%	100%
PAE204251	STY101805	84%	100%	100%
PAE204251	SAU802240	66%	100%	100%
PAE204251	SEP200262	68%	100%	100%
PAE204251	SHA100778	67%	100%	85.3%
PAE204251	SMU100606	65%	100%	100%
PAE204251	SPN400199	65%	100%	100%
PAE204251	SPY200047	63%	100%	100%
PAE204251	TPA100197	63%	100%	100%
PAE204251	UUR100243	57%	100%	100%
PAE204251	VCH102549	83%	100%	100%
PAE204251	YPS002449	85%	100%	100%
PAE204252	BAN105005	61%	88.6%	89.7%
PAE204252	BFR100428	56%	94.3%	97.6%
PAE204252	BPT104067	60%	94.3%	89.2%
PAE204252	BBU100486	49%	92.0%	96.4%
PAE204252	BCE100913	74%	87.5%	85.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204252	BFU103897	82%	39.8%	77.8%
PAE204252	BMA102592	70%	87.5%	85.6%
PAE204252	CJU101602	44%	89.8%	95.2%
PAE204252	CPN200107	44%	92.0%	93.0%
PAE204252	CTR200795	52%	84.1%	88.0%
PAE204252	CAC101333	58%	87.5%	91.7%
PAE204252	CBO101908	57%	87.5%	91.7%
PAE204252	CDF102812	55%	95.5%	97.6%
PAE204252	CDP102662	55%	84.1%	80.4%
PAE204252	EBC103647	70%	89.8%	94.0%
PAE204252	EFA205257	53%	97.7%	90.5%
PAE204252	EFM201704	51%	97.7%	97.7%
PAE204252	ECO103234	70%	89.8%	94.0%
PAE204252	HIN100766	62%	89.8%	92.9%
PAE204252	HPY101292	44%	84.1%	86.0%
PAE204252	KPN204999	69%	89.8%	94.0%
PAE204252	LMO101712	57%	88.6%	89.7%
PAE204252	MCA101811	59%	92.0%	90%
PAE204252	MAV102052	53%	87.5%	65.8%
PAE204252	MBV101010	51%	87.5%	56.6%
PAE204252	MLP101128	53%	83.0%	57.5%
PAE204252	MTU200707	51%	87.5%	56.6%
PAE204252	MGE100163	47%	87.5%	91.8%
PAE204252	MPN100657	47%	87.5%	91.8%
PAE204252	NGO102122	66%	90.9%	92.0%
PAE204252	NME200114	67%	90.9%	92.0%
PAE204252	PMU101406	62%	89.8%	92.9%
PAE204252	PRT103498	61%	76.1%	98.5%
PAE204252	PAE204252	100%	100%	100%
PAE204252	PPU104520	87%	100%	97.8%
PAE204252	PSY107655	89%	100%	100%
PAE204252	SPA104305	56%	89.8%	94.0%
PAE204252	STY101804	69%	89.8%	94.0%
PAE204252	SAU802241	53%	88.6%	89.7%
PAE204252	SEP200263	57%	88.6%	89.7%
PAE204252	SHA100777	53%	88.6%	89.7%
PAE204252	SMU100607	57%	93.2%	95.3%
PAE204252	SPN400198	56%	88.6%	90.7%
PAE204252	SPY200046	57%	88.6%	90.7%
PAE204252	TPA100196	59%	87.5%	91.7%
PAE204252	UUR100242	53%	87.5%	91.7%
PAE204252	VCH102550	73%	88.6%	92.9%
PAE204252	YPS002447	68%	89.8%	94.0%
PAE204253	BAN110808	38%	95.2%	90.9%
PAE204253	BPT104063	55%	100%	100%
PAE204253	BCE113660	52%	100%	98.4%
PAE204253	BFU103895	52%	100%	96.9%
PAE204253	BMA106564	53%	100%	98.4%
PAE204253	CJU101603	36%	92.1%	95.1%
PAE204253	CTR200796	35%	88.9%	79.2%
PAE204253	CAC100885	50%	95.2%	89.6%
PAE204253	CBO100087	42%	88.9%	80%
PAE204253	CDF101032	46%	95.2%	84.5%
PAE204253	CDP102152	48%	92.1%	76.3%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204253	EBC103651	72%	98.4%	98.4%
PAE204253	EFA205258	42%	96.8%	98.4%
PAE204253	EFM200524	44%	96.8%	98.4%
PAE204253	ECO103235	75%	98.4%	98.4%
PAE204253	HIN100765	65%	100%	100%
PAE204253	HPY101293	34%	92.1%	87.9%
PAE204253	KPN205610	74%	98.4%	98.4%
PAE204253	LMO100756	40%	95.2%	95.2%
PAE204253	MCA100557	48%	95.2%	92.3%
PAE204253	MAV108778	46%	88.9%	72.7%
PAE204253	MBV101011	46%	88.9%	72.7%
PAE204253	MLP101129	48%	88.9%	69.1%
PAE204253	MTU200706	46%	88.9%	72.7%
PAE204253	MPN100658	34%	92.1%	52.3%
PAE204253	NGO103266	65%	100%	100%
PAE204253	NME200115	65%	100%	100%
PAE204253	PMU101407	65%	100%	100%
PAE204253	PRT104948	71%	71.4%	97.8%
PAE204253	PAE204253	100%	100%	100%
PAE204253	PPU108202	96%	100%	98.4%
PAE204253	PSY103398	96%	100%	98.4%
PAE204253	SPA104959	80%	47.6%	71.4%
PAE204253	STY107537	74%	98.4%	98.4%
PAE204253	SAU802242	40%	95.2%	87.0%
PAE204253	SEP202582	40%	95.2%	87.0%
PAE204253	SHA103379	40%	95.2%	87.0%
PAE204253	SMU102853	50%	82.5%	75.4%
PAE204253	SPN400197	47%	87.3%	80.9%
PAE204253	SPY200045	45%	87.3%	80.9%
PAE204253	UUR100241	29%	92.1%	77.3%
PAE204253	VCH102551	70%	98.4%	98.4%
PAE204253	YPS005126	70%	98.4%	98.4%
PAE204254	ABA100087	76%	85.4%	98.3%
PAE204254	BAN105442	58%	97.8%	93.1%
PAE204254	BFR12478	55%	97.8%	93.1%
PAE204254	BPT104060	73%	99.3%	98.6%
PAE204254	BBU100484	56%	97.8%	97.1%
PAE204254	BCE110254	71%	97.8%	97.1%
PAE204254	BFU100274	71%	97.8%	97.1%
PAE204254	BMA108797	72%	97.8%	97.1%
PAE204254	CJU101604	67%	97.8%	95.0%
PAE204254	CPN200105	56%	97.8%	97.1%
PAE204254	CTR200797	55%	97.8%	97.1%
PAE204254	CAC102622	56%	97.8%	91.2%
PAE204254	CBO103643	57%	97.8%	91.2%
PAE204254	CDF100749	55%	97.8%	93.7%
PAE204254	CDP101572	52%	51.8%	94.7%
PAE204254	EBC103654	78%	100%	100%
PAE204254	EFA201987	54%	100%	95.1%
PAE204254	EFM200770	54%	100%	95.1%
PAE204254	ECO103236	77%	100%	100%
PAE204254	HIN100764	76%	100%	100%
PAE204254	HPY101294	65%	96.4%	93.6%
PAE204254	KPN300638	78%	91.2%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204254	LMO101423	55%	97.8%	93.1%
PAE204254	MCA100019	74%	100%	100%
PAE204254	MAV102093	50%	97.8%	97.1%
PAE204254	MBV101012	49%	94.9%	94.2%
PAE204254	MLP101130	50%	97.8%	97.1%
PAE204254	MTU200705	50%	97.8%	97.1%
PAE204254	MGE100161	45%	97.8%	97.1%
PAE204254	MPN100659	47%	97.8%	96.4%
PAE204254	NGO100936	72%	99.3%	98.6%
PAE204254	NME200116	72%	99.3%	98.6%
PAE204254	PMU101408	77%	100%	100%
PAE204254	PRT100078	78%	100%	100%
PAE204254	PAE204254	100%	100%	100%
PAE204254	PPU104518	94%	100%	100%
PAE204254	PSY103397	94%	100%	100%
PAE204254	SPA104307	77%	100%	100%
PAE204254	STY101803	77%	100%	100%
PAE204254	SAU802243	58%	97.8%	93.1%
PAE204254	SEP200265	57%	97.8%	93.1%
PAE204254	SHA100775	58%	97.8%	93.1%
PAE204254	SMU100608	55%	97.8%	97.8%
PAE204254	SPN400196	56%	97.8%	97.8%
PAE204254	SPY200044	57%	97.8%	97.8%
PAE204254	TPA100194	57%	97.1%	95.7%
PAE204254	UUR100240	51%	97.8%	97.1%
PAE204254	VCH102552	76%	100%	100%
PAE204254	YPS002443	75%	100%	100%
PAE204255	ABA100086	69%	100%	98.3%
PAE204255	BAN112122	54%	79.8%	100%
PAE204255	BAN102487	57%	91.2%	94.5%
PAE204255	BFR10672	53%	93.0%	86.5%
PAE204255	BPT100851	64%	100%	85.9%
PAE204255	BBU100483	49%	91.7%	72.4%
PAE204255	BCE110191	68%	91.7%	78.6%
PAE204255	BFU100273	68%	91.7%	91.3%
PAE204255	BMA108753	68%	91.7%	78.6%
PAE204255	CJU101605	55%	100%	97.9%
PAE204255	CPN200104	53%	90.4%	92.4%
PAE204255	CTR200798	53%	90.4%	92.0%
PAE204255	CAC103109	53%	96.9%	100%
PAE204255	CBO100517	55%	93.0%	95.5%
PAE204255	CDF100748	51%	92.5%	78.2%
PAE204255	CDP101570	57%	98.7%	88.3%
PAE204255	EBC103657	73%	98.7%	96.6%
PAE204255	EFA201993	61%	91.2%	95.0%
PAE204255	EFM201332	58%	91.2%	95.0%
PAE204255	ECO103237	73%	98.7%	96.6%
PAE204255	HIN100763	72%	98.2%	96.6%
PAE204255	HPY101295	55%	98.2%	96.2%
PAE204255	KPN300639	72%	100%	98.3%
PAE204255	LMO101810	59%	94.7%	98.6%
PAE204255	MCA100254	65%	98.7%	95.4%
PAE204255	MAV102092	55%	100%	81.1%
PAE204255	MBV101013	54%	100%	82.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204255	MLP101131	54%	100%	80.8%
PAE204255	MTU200704	54%	100%	82.8%
PAE204255	MGE100160	41%	90.8%	78.4%
PAE204255	MPN100660	42%	90.8%	76.9%
PAE204255	NGO100939	61%	99.6%	99.1%
PAE204255	NME200117	61%	99.6%	99.1%
PAE204255	PMU101409	71%	99.6%	97.0%
PAE204255	PRT103066	72%	98.7%	97.4%
PAE204255	PAE204255	100%	100%	100%
PAE204255	PPU104517	95%	100%	96.2%
PAE204255	PSY103396	96%	100%	100%
PAE204255	SPA104309	73%	98.7%	96.6%
PAE204255	STY101802	73%	98.7%	96.6%
PAE204255	SAU802244	57%	91.2%	95.4%
PAE204255	SEP200267	56%	91.2%	95.4%
PAE204255	SHA100774	56%	91.2%	95.4%
PAE204255	SMU100609	58%	93.0%	97.2%
PAE204255	SPN400195	59%	93.0%	97.2%
PAE204255	SPY200043	58%	93.0%	97.2%
PAE204255	TPA100193	51%	91.7%	85.4%
PAE204255	UUR100239	42%	100%	89.1%
PAE204255	VCH102553	71%	98.7%	97.9%
PAE204255	YPS002439	73%	100%	98.3%
PAE204256	ABA100085	77%	97.3%	97.3%
PAE204256	BAN109858	48%	100%	97.4%
PAE204256	BAN111310	51%	100%	97.3%
PAE204256	BFR102815	47%	96.4%	91.5%
PAE204256	BPT104052	64%	97.3%	98.2%
PAE204256	BBU100482	45%	89.1%	82.5%
PAE204256	BCE103775	65%	99.1%	100%
PAE204256	BFU100272	64%	99.1%	100%
PAE204256	BMA104499	65%	99.1%	100%
PAE204256	CJU101606	37%	89.1%	66.7%
PAE204256	CPN200103	43%	90.9%	90.1%
PAE204256	CTR200799	42%	90.9%	90.1%
PAE204256	CAC102305	47%	100%	99.1%
PAE204256	CBO100872	46%	100%	99.1%
PAE204256	CDF103249	45%	100%	92.4%
PAE204256	CDP102437	49%	88.2%	80.8%
PAE204256	EBC103660	68%	100%	100%
PAE204256	EFA201995	57%	90.9%	85.5%
PAE204256	EFM202159	57%	90.9%	87.0%
PAE204256	ECO103238	69%	100%	100%
PAE204256	HIN100762	70%	100%	100%
PAE204256	HPY101296	40%	95.5%	82.8%
PAE204256	KPN300640	71%	44.5%	100%
PAE204256	LMO100543	53%	90%	83.9%
PAE204256	MCA100253	66%	99.1%	100%
PAE204256	MAV102091	48%	96.4%	58.9%
PAE204256	MBV101014	45%	96.4%	53.8%
PAE204256	MLP101132	46%	96.4%	60.6%
PAE204256	MTU200703	45%	96.4%	53.8%
PAE204256	MGE100159	43%	95.5%	72.9%
PAE204256	MPN100661	48%	95.5%	57.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204256	NGO102695	66%	99.1%	100%
PAE204256	NME200118	66%	99.1%	100%
PAE204256	PMU101410	70%	100%	100%
PAE204256	PRT103067	68%	100%	100%
PAE204256	PAE204256	100%	100%	100%
PAE204256	PPU104507	100%	100%	100%
PAE204256	PSY107686	97%	83.6%	100%
PAE204256	SPA104311	69%	100%	100%
PAE204256	STY101801	69%	100%	100%
PAE204256	SAU802245	47%	99.1%	93.2%
PAE204256	SEP200269	48%	99.1%	93.2%
PAE204256	SHA100773	48%	99.1%	93.2%
PAE204256	SMU100610	53%	90.9%	87.7%
PAE204256	SPN400194	58%	90.9%	87.7%
PAE204256	SPY200042	52%	90.9%	87.7%
PAE204256	TPA100192	37%	88.2%	79.0%
PAE204256	UUR100238	41%	89.1%	31.8%
PAE204256	VCH102554	74%	100%	100%
PAE204256	YPS001865	69%	100%	100%
PAE204257	ABA100084	79%	100%	100%
PAE204257	BAN101977	52%	95.6%	95.5%
PAE204257	BAN110916	62%	100%	98.9%
PAE204257	BFR104321	61%	96.7%	98.9%
PAE204257	BPT104048	73%	100%	100%
PAE204257	BBU100481	53%	100%	100%
PAE204257	BCE112635	75%	100%	100%
PAE204257	BFU104367	75%	100%	100%
PAE204257	BMA100281	75%	100%	100%
PAE204257	CJU101607	58%	98.9%	96.8%
PAE204257	CPN200102	57%	95.6%	98.9%
PAE204257	CTR200800	58%	95.6%	98.9%
PAE204257	CAC101096	59%	96.7%	94.6%
PAE204257	CBO102193	59%	96.7%	84.5%
PAE204257	CDF103424	57%	100%	97.8%
PAE204257	CDP101567	63%	100%	98.9%
PAE204257	EBC103663	82%	100%	98.9%
PAE204257	EFA201997	69%	100%	100%
PAE204257	EFM202484	69%	100%	100%
PAE204257	ECO103239	82%	100%	98.9%
PAE204257	HIN100761	83%	100%	100%
PAE204257	HPY101297	60%	98.9%	96.8%
PAE204257	KPN300699	82%	100%	98.9%
PAE204257	LMO100277	71%	100%	100%
PAE204257	MCA100252	80%	100%	100%
PAE204257	MAV102090	68%	100%	98.9%
PAE204257	MBV101015	68%	100%	98.9%
PAE204257	MLP101133	69%	100%	98.9%
PAE204257	MTU200702	68%	100%	98.9%
PAE204257	MGE100158	56%	95.6%	100%
PAE204257	MPN100662	56%	95.6%	100%
PAE204257	NGO102970	70%	100%	98.9%
PAE204257	NME200119	71%	100%	98.9%
PAE204257	PMU101411	83%	100%	100%
PAE204257	PRT100323	83%	100%	98.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204257	PAE204257	100%	100%	100%
PAE204257	PPU111002	95%	100%	100%
PAE204257	PSY101086	92%	100%	100%
PAE204257	SPA104313	82%	100%	98.9%
PAE204257	STY101800	82%	100%	98.9%
PAE204257	SAU802246	62%	100%	98.9%
PAE204257	SEP200271	63%	100%	98.9%
PAE204257	SHA100772	63%	100%	98.9%
PAE204257	SMU102869	72%	40.7%	92.5%
PAE204257	SPN400192	67%	100%	97.8%
PAE204257	SPY200041	67%	100%	98.9%
PAE204257	TPA100191	52%	100%	100%
PAE204257	UUR100237	59%	96.7%	100%
PAE204257	VCH102555	84%	100%	98.9%
PAE204257	YPS001864	82%	100%	98.9%
PAE204259	ABA100082	57%	96.0%	89.6%
PAE204259	BFR102748	38%	86.9%	93.8%
PAE204259	BPT104043	52%	96.0%	96.9%
PAE204259	BBU100479	30%	89.9%	92.2%
PAE204259	BCE100645	54%	99.0%	94.2%
PAE204259	BFU103900	55%	99.0%	94.2%
PAE204259	BMA108040	54%	99.0%	94.2%
PAE204259	CJU101609	30%	78.8%	82.8%
PAE204259	CPN200100	33%	86.9%	95.5%
PAE204259	CTR200802	37%	65.7%	63.1%
PAE204259	CAC102428	45%	78.8%	78.6%
PAE204259	CBO102507	41%	80.8%	81.4%
PAE204259	CDF101975	43%	78.8%	80.2%
PAE204259	CDP102947	44%	83.8%	81.2%
PAE204259	EBC101608	52%	94.9%	94.9%
PAE204259	EFA205285	36%	91.9%	94.8%
PAE204259	ECO103241	53%	100%	99%
PAE204259	HIN100759	57%	100%	100%
PAE204259	HPY101299	29%	77.8%	81.7%
PAE204259	KPN300697	53%	100%	99%
PAE204259	LMO100631	39%	78.8%	81.9%
PAE204259	MCA100250	49%	100%	91.7%
PAE204259	MAV102088	46%	81.8%	80%
PAE204259	MBV101017	48%	81.8%	80%
PAE204259	MLP101135	48%	81.8%	80%
PAE204259	MTU200700	48%	81.8%	80%
PAE204259	MGE100156	32%	87.9%	84.0%
PAE204259	NGO102702	54%	99.0%	94.2%
PAE204259	NME200121	54%	99.0%	92.5%
PAE204259	PMU101413	58%	100%	99%
PAE204259	PRT100325	52%	100%	99%
PAE204259	PAE204259	100%	100%	100%
PAE204259	PPU102891	82%	100%	100%
PAE204259	PSY107072	88%	100%	100%
PAE204259	SPA104317	53%	100%	99%
PAE204259	STY101788	53%	100%	99%
PAE204259	SAU802248	38%	81.8%	87.9%
PAE204259	SEP200275	40%	81.8%	87.9%
PAE204259	SHA100770	40%	81.8%	87.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204259	SPN400190	43%	81.8%	82.7%
PAE204259	SPY200039	43%	81.8%	82.7%
PAE204259	TPA100189	40%	84.8%	88.3%
PAE204259	VCH102557	58%	100%	99%
PAE204259	YPS005095	53%	100%	99%
PAE204260	ABA100081	66%	100%	100%
PAE204260	BFR10676	36%	98%	96.6%
PAE204260	BPT100849	55%	99%	97.6%
PAE204260	BBU100478	32%	93.5%	90.9%
PAE204260	BCE103118	54%	98.5%	97.1%
PAE204260	BFU100270	52%	98.5%	97.1%
PAE204260	BMA104332	52%	63%	96.3%
PAE204260	CJU101610	40%	86.5%	85.3%
PAE204260	CPN200099	37%	78%	75%
PAE204260	CTR200803	41%	74.5%	72.1%
PAE204260	CAC100377	45%	94%	91.3%
PAE204260	CBO103307	43%	97.5%	95.6%
PAE204260	CDF100746	41%	98%	91.7%
PAE204260	CDP101562	37%	92.5%	86.2%
PAE204260	EBC101609	67%	99.5%	99.5%
PAE204260	EFA202001	44%	94.5%	91.8%
PAE204260	ECO103242	67%	99.5%	99.5%
PAE204260	HIN100758	72%	99.5%	99.5%
PAE204260	HPY101300	37%	79%	77.7%
PAE204260	KPN300696	66%	99.5%	99.5%
PAE204260	LMO102640	45%	96%	93.2%
PAE204260	MCA100249	65%	99.5%	99.5%
PAE204260	MAV102087	38%	93%	86.6%
PAE204260	MBV101018	39%	93%	84.3%
PAE204260	MLP101136	38%	92.5%	81.3%
PAE204260	MTU200699	39%	93%	84.3%
PAE204260	MGE100155	35%	86.5%	84.4%
PAE204260	MPN100665	33%	94%	91.0%
PAE204260	NGO101615	50%	94%	91.7%
PAE204260	NME200122	50%	94%	91.7%
PAE204260	PMU101414	72%	99.5%	99.5%
PAE204260	PRT103342	69%	99.5%	99.5%
PAE204260	PAE204260	100%	100%	100%
PAE204260	PPU104504	85%	100%	100%
PAE204260	PSY108736	87%	100%	100%
PAE204260	SPA104319	67%	99.5%	99.5%
PAE204260	STY101787	67%	99.5%	99.5%
PAE204260	SAU802249	46%	100%	97.1%
PAE204260	SEP200280	46%	98.5%	96.6%
PAE204260	SHA100769	47%	99%	97.1%
PAE204260	SPN400189	43%	96%	93.2%
PAE204260	SPY200038	43%	95%	92.3%
PAE204260	TPA100188	34%	94.5%	88.0%
PAE204260	UUR100234	35%	84.5%	82.0%
PAE204260	VCH102558	74%	99.5%	99.5%
PAE204260	YPS001862	70%	95%	94.5%
PAE204261	ABA100080	80%	46.0%	99.0%
PAE204261	BFR10677	48%	94.8%	98.0%
PAE204261	BPT100848	66%	98.1%	92.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204261	BBU100477	44%	97.6%	99.5%
PAE204261	BCE112456	64%	100%	98.6%
PAE204261	BFU100269	63%	99.5%	97.3%
PAE204261	BMA106660	64%	99.5%	97.3%
PAE204261	CJU101611	38%	90.0%	92.1%
PAE204261	CPN200098	45%	97.6%	97.7%
PAE204261	CTR200804	42%	99.1%	98.2%
PAE204261	CAC103369	48%	99.1%	100%
PAE204261	CBO101061	48%	99.1%	96.8%
PAE204261	CDF100745	50%	97.2%	97.6%
PAE204261	CDP100915	50%	97.2%	94.5%
PAE204261	EBC101610	75%	98.1%	99.5%
PAE204261	EFA202003	51%	99.5%	100%
PAE204261	ECO103243	74%	98.1%	99.5%
PAE204261	HIN100757	73%	98.1%	99.5%
PAE204261	HPY101301	34%	90.5%	93.2%
PAE204261	KPN300695	83%	43.6%	100%
PAE204261	LMO102018	50%	99.5%	100%
PAE204261	MCA100248	70%	99.1%	100%
PAE204261	MAV102086	50%	97.2%	96.3%
PAE204261	MBV100990	50%	97.2%	96.3%
PAE204261	MLP101137	49%	97.2%	95.9%
PAE204261	MTU200698	50%	97.2%	96.3%
PAE204261	MGE100154	39%	98.6%	82.1%
PAE204261	MPN100666	43%	98.6%	73.5%
PAE204261	NGO101617	66%	98.6%	98.6%
PAE204261	NME200123	66%	98.6%	98.6%
PAE204261	PMU101415	75%	98.1%	99.5%
PAE204261	PRT102977	74%	98.1%	99.5%
PAE204261	PAE204261	100%	100%	100%
PAE204261	PPU111511	90%	100%	100%
PAE204261	PSY106254	89%	100%	95.0%
PAE204261	SPA104320	72%	98.1%	99.5%
PAE204261	STY101786	75%	98.1%	99.5%
PAE204261	SAU802250	46%	98.6%	98.2%
PAE204261	SEP200281	45%	98.6%	98.2%
PAE204261	SHA100768	49%	60.2%	96.9%
PAE204261	SMU100611	51%	99.1%	99.0%
PAE204261	SPN400188	51%	99.1%	99.0%
PAE204261	SPY200037	51%	99.1%	99.0%
PAE204261	TPA100187	44%	97.6%	98.1%
PAE204261	UUR100233	41%	96.7%	88.0%
PAE204261	VCH102559	74%	98.1%	99.5%
PAE204261	YPS001861	75%	98.1%	99.5%
PAE204262	ABA100720	81%	64.1%	100%
PAE204262	BAN112470	61%	81.6%	100%
PAE204262	BFR102501	57%	97.1%	99.0%
PAE204262	BPT104019	74%	99.0%	85.7%
PAE204262	BBU100476	55%	93.2%	93.2%
PAE204262	BCE114850	76%	99.0%	82.3%
PAE204262	BFU100268	77%	99.0%	71.3%
PAE204262	BMA104676	76%	99.0%	99.0%
PAE204262	CJU101612	58%	94.2%	94.2%
PAE204262	CPN200200	64%	96.1%	94.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204262	CTR200710	65%	96.1%	94.3%
PAE204262	CAC101769	64%	99.0%	100%
PAE204262	CBO101448	65%	99.0%	100%
PAE204262	CDF104153	57%	61.2%	100%
PAE204262	CDP100914	60%	97.1%	99.0%
PAE204262	EBC101611	92%	100%	100%
PAE204262	EFA205288	63%	99.0%	100%
PAE204262	ECO103244	90%	100%	100%
PAE204262	HIN100756	92%	100%	87.3%
PAE204262	HPY101302	57%	95.1%	94.2%
PAE204262	KPN304660	91%	100%	95.4%
PAE204262	LMO100137	62%	99.0%	100%
PAE204262	MCA101858	86%	100%	100%
PAE204262	MAV102085	60%	97.1%	99.0%
PAE204262	MBV100992	60%	97.1%	99.0%
PAE204262	MLP101138	60%	97.1%	99.0%
PAE204262	MTU200697	60%	97.1%	99.0%
PAE204262	MGE100153	38%	94.2%	91.5%
PAE204262	MPN100667	37%	94.2%	89.8%
PAE204262	NGO102546	71%	99.0%	99.0%
PAE204262	NME200127	71%	99.0%	99.0%
PAE204262	PMU101416	92%	100%	100%
PAE204262	PRT100142	92%	100%	100%
PAE204262	PAE204262	100%	100%	100%
PAE204262	PPU104502	97%	91.3%	100%
PAE204262	PSY106273	98%	100%	83.1%
PAE204262	SPA104323	77%	100%	95.5%
PAE204262	STY101785	92%	100%	100%
PAE204262	SAU802251	62%	99.0%	100%
PAE204262	SEP200282	62%	99.0%	100%
PAE204262	SHA102423	60%	99.0%	100%
PAE204262	SMU100612	60%	99.0%	100%
PAE204262	SPN400187	60%	99.0%	100%
PAE204262	SPY200036	58%	99.0%	100%
PAE204262	TPA100186	54%	97.1%	98.0%
PAE204262	UUR100232	52%	97.1%	99.0%
PAE204262	VCH102560	90%	100%	100%
PAE204262	YPS005092	92%	100%	100%
PAE204265	ABA100054	76%	100%	100%
PAE204265	BAN101047	47%	100%	100%
PAE204265	BAN102922	58%	100%	100%
PAE204265	BFR102620	51%	98.7%	89.2%
PAE204265	BPT100845	70%	100%	90.2%
PAE204265	BBU100385	54%	100%	100%
PAE204265	BCE114655	70%	100%	100%
PAE204265	BFU100845	71%	100%	100%
PAE204265	BMA108128	71%	100%	100%
PAE204265	CJU100457	58%	98.7%	99.4%
PAE204265	CPN200198	56%	100%	100%
PAE204265	CTR200712	55%	100%	100%
PAE204265	CAC101300	58%	100%	100%
PAE204265	CBO100058	57%	100%	90.7%
PAE204265	CDF100549	57%	100%	100%
PAE204265	CDP100907	61%	98.7%	99.4%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204265	EBC102895	69%	100%	100%
PAE204265	EFA202013	54%	100%	100%
PAE204265	ECO103264	69%	100%	87.2%
PAE204265	HIN100560	69%	100%	100%
PAE204265	HPY101179	60%	98.7%	99.4%
PAE204265	KPN300871	68%	92.9%	86.8%
PAE204265	LMO101111	53%	100%	100%
PAE204265	MCA100231	72%	100%	100%
PAE204265	MAV102943	58%	100%	100%
PAE204265	MBV103316	57%	100%	100%
PAE204265	MLP101141	57%	100%	100%
PAE204265	MTU200680	57%	100%	100%
PAE204265	MGE100090	50%	98.7%	99.4%
PAE204265	MPN100605	48%	98.7%	99.4%
PAE204265	NGO101627	69%	100%	100%
PAE204265	NME200130	69%	100%	100%
PAE204265	PMU101355	70%	100%	100%
PAE204265	PRT100252	70%	100%	100%
PAE204265	PAE204265	100%	100%	100%
PAE204265	PPU112217	94%	100%	100%
PAE204265	PSY106485	97%	26.3%	100%
PAE204265	SPA102393	64%	66.0%	91.2%
PAE204265	STY101780	69%	100%	100%
PAE204265	SAU800546	57%	100%	100%
PAE204265	SEP200070	57%	100%	100%
PAE204265	SHA102003	37%	25.6%	100%
PAE204265	SMU100686	55%	100%	100%
PAE204265	SPN400249	57%	100%	100%
PAE204265	SPY200201	55%	100%	100%
PAE204265	TPA100241	52%	100%	100%
PAE204265	UUR100530	48%	98.7%	99.4%
PAE204265	VCH100355	70%	100%	100%
PAE204265	YPS001851	71%	100%	100%
PAE204266	ABA100053	83%	100%	100%
PAE204266	BAN100648	68%	100%	97.1%
PAE204266	BFR10866	80%	61.0%	88.2%
PAE204266	BPT100844	84%	100%	98.4%
PAE204266	BBU100386	78%	100%	99.2%
PAE204266	BCE108786	86%	100%	97.6%
PAE204266	BFU100844	86%	100%	97.6%
PAE204266	BMA100034	85%	100%	97.6%
PAE204266	CJU100456	80%	100%	96.1%
PAE204266	CPN200197	73%	100%	100%
PAE204266	CTR200713	70%	100%	100%
PAE204266	CAC103453	77%	100%	98.4%
PAE204266	CBO102727	75%	100%	98.4%
PAE204266	CDF102422	70%	100%	95.1%
PAE204266	CDP100904	74%	100%	90.4%
PAE204266	EBC102897	88%	100%	99.2%
PAE204266	EFA202015	71%	100%	99.3%
PAE204266	ECO103265	88%	100%	99.2%
PAE204266	HIN100561	88%	100%	99.2%
PAE204266	HPY101180	74%	100%	91.1%
PAE204266	KPN200561	89%	100%	99.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204266	LMO101449	68%	100%	99.3%
PAE204266	MCA100230	86%	100%	99.2%
PAE204266	MAV102944	72%	100%	99.2%
PAE204266	MBV103315	72%	100%	99.2%
PAE204266	MLP101142	71%	100%	99.2%
PAE204266	MTU200679	72%	100%	99.2%
PAE204266	MGE100089	65%	100%	97.8%
PAE204266	MPN100606	66%	100%	97.8%
PAE204266	NGO101631	86%	100%	100%
PAE204266	NME200131	86%	100%	100%
PAE204266	PMU101354	87%	100%	99.2%
PAE204266	PRT103411	80%	87.0%	100%
PAE204266	PAE204266	100%	100%	100%
PAE204266	PPU112031	95%	100%	100%
PAE204266	PSY103389	94%	100%	100%
PAE204266	SPA102395	88%	100%	99.2%
PAE204266	STY101779	88%	100%	99.2%
PAE204266	SAU800545	67%	100%	99.3%
PAE204266	SEP201889	68%	100%	99.3%
PAE204266	SHA101640	67%	100%	99.3%
PAE204266	SMU100684	70%	100%	99.3%
PAE204266	SPN400248	69%	100%	99.3%
PAE204266	SPY200200	71%	100%	99.3%
PAE204266	TPA100240	73%	100%	99.2%
PAE204266	UUR100531	63%	100%	96.5%
PAE204266	VCH100354	87%	100%	99.2%
PAE204266	YPS001825	87%	100%	99.2%
PAE204267	ABA100041	68%	11.6%	90%
PAE204267	ABA104621	74%	99.8%	99.8%
PAE204267	BAN107772	29%	96.6%	97.4%
PAE204267	BAN101907	50%	97.5%	98.3%
PAE204267	BFR102987	48%	96.3%	97.0%
PAE204267	BPT101163	68%	99.0%	97.9%
PAE204267	BBU100387	48%	97.1%	99.2%
PAE204267	BCE109927	60%	57.5%	97.7%
PAE204267	BFU100842	70%	72.5%	64.4%
PAE204267	BMA101246	67%	99.1%	98.7%
PAE204267	CJU100444	55%	96.9%	98.7%
PAE204267	CPN200681	50%	97.1%	97.6%
PAE204267	CTR200580	50%	97.1%	97.9%
PAE204267	CAC100576	50%	96.6%	97.4%
PAE204267	CBO100117	52%	96.6%	97.7%
PAE204267	CDF100550	53%	96.6%	98.7%
PAE204267	CDP100877	49%	6.3%	0.9%
PAE204267	EBC103916	75%	99.8%	99.4%
PAE204267	EFA200807	49%	98.4%	98.8%
PAE204267	EFM200070	47%	96.3%	99.7%
PAE204267	ECO103886	75%	99.8%	99.4%
PAE204267	HIN100493	72%	99.5%	98.4%
PAE204267	KPN300484	66%	10.9%	89.5%
PAE204267	KPN302484	75%	99.8%	99.4%
PAE204267	LPN100508	85%	38.6%	99.4%
PAE204267	LMO101517	50%	97.1%	98.5%
PAE204267	MCA101004	70%	99.4%	97.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204267	MAV102932	45%	86.6%	78.9%
PAE204267	MBV100906	45%	86.6%	78.9%
PAE204267	MLP101144	46%	86.6%	78.9%
PAE204267	MTU200665	45%	86.6%	78.9%
PAE204267	MGE100349	39%	97.2%	98.4%
PAE204267	MPN100327	40%	97.2%	98.5%
PAE204267	NME200135	68%	99.4%	99.6%
PAE204267	PMU101736	72%	99.7%	99.6%
PAE204267	PAE204267	100%	100%	100%
PAE204267	PPU104498	91%	100%	99.3%
PAE204267	PSY103340	92%	100%	100%
PAE204267	SPA101954	71%	68.7%	100%
PAE204267	STY102668	75%	99.8%	99.4%
PAE204267	STM102060	75%	99.8%	99.4%
PAE204267	SAU800543	49%	98.6%	99.8%
PAE204267	SEP201887	49%	96.9%	98.0%
PAE204267	SHA100756	31%	5.6%	70.9%
PAE204267	SHA101637	49%	97.0%	98.3%
PAE204267	SMU100552	48%	96.6%	97.4%
PAE204267	SPN401774	48%	98.1%	97.2%
PAE204267	SPY200072	48%	96.6%	97.1%
PAE204267	TPA100239	49%	97.4%	97.5%
PAE204267	UUR100188	40%	96.1%	98.1%
PAE204267	VCH100324	73%	99.9%	99.8%
PAE204267	YPS000478	75%	99.8%	99.5%
PAE204269	ABA105381	67%	69.7%	100%
PAE204269	BAN106592	55%	98.4%	100%
PAE204269	BAN112078	60%	98.4%	100%
PAE204269	BFR106071	56%	95.9%	93.5%
PAE204269	BPT104549	68%	100%	100%
PAE204269	BBU100389	54%	100%	100%
PAE204269	BCE104254	68%	100%	100%
PAE204269	BFU104514	67%	100%	100%
PAE204269	BMA108492	68%	100%	100%
PAE204269	CJU100442	60%	100%	100%
PAE204269	CPN200683	46%	95.9%	93.8%
PAE204269	CTR200582	49%	95.9%	93.8%
PAE204269	CAC103770	65%	98.4%	100%
PAE204269	CBO100998	62%	98.4%	100%
PAE204269	CDF100554	59%	100%	99.2%
PAE204269	CDP100862	60%	98.4%	97.6%
PAE204269	EBC100455	64%	100%	100%
PAE204269	EFA200842	65%	100%	100%
PAE204269	EFM100721	62%	100%	100%
PAE204269	ECO103884	65%	100%	100%
PAE204269	HIN100622	65%	100%	100%
PAE204269	HPY101182	53%	100%	100%
PAE204269	KPN205542	65%	100%	100%
PAE204269	LMO102795	63%	100%	100%
PAE204269	MCA101002	69%	100%	100%
PAE204269	MAV102937	52%	98.4%	97.7%
PAE204269	MBV100917	50%	98.4%	97.7%
PAE204269	MLP101147	48%	98.4%	97.7%
PAE204269	MTU200649	50%	98.4%	97.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204269	MGE100372	43%	98.4%	97.5%
PAE204269	MPN100303	42%	98.4%	97.5%
PAE204269	NGO101640	65%	100%	100%
PAE204269	NME200137	65%	100%	100%
PAE204269	PMU101738	67%	100%	100%
PAE204269	PRT100056	65%	100%	100%
PAE204269	PAE204269	100%	100%	100%
PAE204269	PPU104475	77%	100%	100%
PAE204269	PSY108092	76%	52.5%	100%
PAE204269	SPA107849	66%	100%	100%
PAE204269	STY102674	66%	100%	100%
PAE204269	STM107215	66%	100%	100%
PAE204269	SAU800540	57%	96.7%	97.5%
PAE204269	SEP201884	58%	95.9%	96.7%
PAE204269	SHA101634	59%	95.9%	96.7%
PAE204269	SMU100975	54%	100%	100%
PAE204269	SPN401210	58%	100%	96.1%
PAE204269	SPY200815	56%	100%	100%
PAE204269	TPA100237	52%	98.4%	97.7%
PAE204269	UUR100009	52%	97.5%	96.7%
PAE204269	VCH100322	73%	100%	100%
PAE204269	YPS005201	63%	98.4%	97.5%
PAE204270	ABA104908	50%	100%	100%
PAE204270	BAN101384	39%	100%	100%
PAE204270	BAN106254	39%	100%	100%
PAE204270	BFR101778	24%	91.6%	90%
PAE204270	BPT104548	38%	98.8%	100%
PAE204270	BBU100390	31%	80.1%	78.6%
PAE204270	BCE110567	42%	100%	100%
PAE204270	BFU104512	41%	94.6%	77.6%
PAE204270	BMA104533	42%	97.0%	87.0%
PAE204270	CJU100441	30%	94.6%	96.9%
PAE204270	CAC103420	33%	94.0%	92.9%
PAE204270	CBO103649	33%	100%	100%
PAE204270	CDF100545	33%	95.2%	90.3%
PAE204270	CDP100855	31%	84.3%	87.7%
PAE204270	EFA200841	39%	95.2%	95.2%
PAE204270	EFM100720	42%	95.8%	95.2%
PAE204270	ECO103883	68%	98.8%	100%
PAE204270	HIN100621	65%	99.4%	100%
PAE204270	HPY101183	23%	94.6%	94.5%
PAE204270	KPN304658	68%	98.8%	100%
PAE204270	LMO101102	40%	100%	100%
PAE204270	MCA101001	68%	100%	100%
PAE204270	MAV102938	30%	94.6%	85.2%
PAE204270	MBV100919	28%	93.4%	92.7%
PAE204270	MLP101148	30%	93.4%	93.2%
PAE204270	MTU200648	28%	93.4%	92.7%
PAE204270	MGE100371	22%	94.0%	96.9%
PAE204270	MPN100304	21%	94.0%	97.5%
PAE204270	NGO101663	41%	100%	99.4%
PAE204270	NME200138	41%	100%	99.4%
PAE204270	PMU101739	65%	99.4%	100%
PAE204270	PRT103043	69%	98.8%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204270	PAE204270	100%	100%	100%
PAE204270	PPU104473	88%	100%	85.1%
PAE204270	PSY103338	90%	100%	100%
PAE204270	SPA102794	68%	98.8%	100%
PAE204270	STY102677	68%	98.8%	100%
PAE204270	STM102057	68%	98.8%	100%
PAE204270	SAU800539	40%	99.4%	99.4%
PAE204270	SEP201883	38%	99.4%	99.4%
PAE204270	SHA101633	38%	99.4%	99.4%
PAE204270	SMU100974	40%	95.8%	95.2%
PAE204270	SPN401211	41%	95.2%	95.2%
PAE204270	SPY200814	42%	95.2%	95.8%
PAE204270	TPA100236	30%	93.4%	86.1%
PAE204270	UUR100008	27%	89.2%	91.0%
PAE204270	VCH100321	69%	98.8%	100%
PAE204270	YPS000491	66%	98.8%	100%
PAE204272	ABA106058	75%	98.6%	99.3%
PAE204272	BAN106044	61%	79.0%	98.2%
PAE204272	BFR10521	54%	99.3%	95.9%
PAE204272	BPT100048	75%	99.3%	99.3%
PAE204272	BBU100392	53%	97.2%	97.2%
PAE204272	BCE100591	73%	100%	100%
PAE204272	BFU104508	72%	100%	94.1%
PAE204272	BMA106139	74%	100%	100%
PAE204272	CJU100439	60%	97.9%	98.6%
PAE204272	CPN200686	53%	97.2%	97.9%
PAE204272	CTR200585	54%	97.2%	97.9%
PAE204272	CAC101038	64%	97.9%	98.6%
PAE204272	CBO102195	64%	98.6%	99.3%
PAE204272	CDF104047	60%	98.6%	99.3%
PAE204272	CDP100850	62%	97.2%	97.2%
PAE204272	EBC102886	74%	98.6%	99.3%
PAE204272	EFA200839	62%	98.6%	100%
PAE204272	ECO103881	74%	98.6%	99.3%
PAE204272	HIN100496	70%	98.6%	99.3%
PAE204272	HPY101185	56%	97.9%	98.6%
PAE204272	KPN300527	74%	98.6%	99.3%
PAE204272	LMO100036	60%	98.6%	99.3%
PAE204272	MCA100999	74%	100%	100%
PAE204272	MAV102318	64%	97.2%	97.2%
PAE204272	MBV103157	64%	97.2%	97.2%
PAE204272	MLP101154	63%	97.2%	97.2%
PAE204272	MTU200637	64%	97.2%	97.2%
PAE204272	MGE100083	41%	97.9%	98.5%
PAE204272	MPN100612	42%	97.9%	98.5%
PAE204272	NGO101667	75%	100%	99.3%
PAE204272	NME200140	76%	100%	99.3%
PAE204272	PMU101743	70%	98.6%	99.3%
PAE204272	PAE204272	100%	100%	100%
PAE204272	PPU104469	94%	100%	100%
PAE204272	PSY106552	90%	100%	97.3%
PAE204272	SPA107834	83%	62.2%	90.7%
PAE204272	STY102683	74%	98.6%	99.3%
PAE204272	STM102055	74%	98.6%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204272	SAU800537	65%	98.6%	100%
PAE204272	SEP201881	63%	98.6%	100%
PAE204272	SHA101488	64%	97.9%	98.6%
PAE204272	SMU101147	60%	97.9%	98.6%
PAE204272	SPN400555	61%	97.9%	98.6%
PAE204272	SPY200329	61%	97.9%	98.6%
PAE204272	TPA100234	56%	97.2%	95.2%
PAE204272	UUR100547	47%	98.6%	90.7%
PAE204272	VCH100319	76%	99.3%	100%
PAE204272	YPS000498	74%	99.3%	100%
PAE204273	ABA101112	68%	98.3%	98.3%
PAE204273	BAN107620	45%	100%	100%
PAE204273	BFR10520	43%	98.3%	96.7%
PAE204273	BPT100046	61%	99.4%	99.4%
PAE204273	BBU100393	37%	100%	100%
PAE204273	BCE106900	65%	98.9%	94.6%
PAE204273	BFU104521	65%	98.9%	94.6%
PAE204273	BMA104447	65%	98.9%	94.6%
PAE204273	CJU100438	43%	98.3%	97.2%
PAE204273	CPN200687	37%	98.3%	95.1%
PAE204273	CTR200586	38%	98.3%	95.1%
PAE204273	CAC102306	38%	98.3%	96.5%
PAE204273	CBO103872	42%	98.3%	96.0%
PAE204273	CDF104265	37%	97.7%	95.6%
PAE204273	CDP100848	37%	97.7%	72.2%
PAE204273	EBC102887	72%	98.3%	96.1%
PAE204273	EFA200831	38%	98.9%	96.7%
PAE204273	EFM202000	38%	93.2%	99.4%
PAE204273	ECO103880	72%	98.3%	96.1%
PAE204273	HIN100696	66%	98.9%	94.6%
PAE204273	HPY101186	39%	97.7%	97.7%
PAE204273	KPN300526	76%	52.0%	98.9%
PAE204273	LMO102609	45%	100%	100%
PAE204273	MCA100998	59%	98.3%	98.9%
PAE204273	MAV102335	40%	97.7%	74.2%
PAE204273	MBV103155	40%	97.7%	79.8%
PAE204273	MLP101155	38%	97.7%	83.3%
PAE204273	MTU200636	40%	97.7%	79.8%
PAE204273	MGE100054	20%	59.3%	42.4%
PAE204273	MPN100087	22%	67.8%	46.6%
PAE204273	NGO101670	63%	100%	99.4%
PAE204273	NME200141	63%	100%	99.4%
PAE204273	PMU101744	69%	98.3%	95.1%
PAE204273	PRT103295	72%	98.3%	96.1%
PAE204273	PAE204273	100%	100%	100%
PAE204273	PPU108806	94%	100%	100%
PAE204273	PSY103335	93%	99.4%	99.4%
PAE204273	SPA102796	72%	98.3%	96.1%
PAE204273	STY102686	73%	98.3%	96.1%
PAE204273	STM102044	73%	98.3%	96.1%
PAE204273	SAU800535	41%	99.4%	96.7%
PAE204273	SEP201880	41%	99.4%	96.7%
PAE204273	SHA101487	41%	99.4%	96.7%
PAE204273	SMU100495	34%	98.9%	97.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204273	SPN401818	33%	98.9%	94.5%
PAE204273	SPY200119	35%	98.9%	96.6%
PAE204273	TPA100233	42%	98.9%	98.9%
PAE204273	UUR100588	20%	97.2%	86.4%
PAE204273	VCH100318	72%	98.9%	96.2%
PAE204273	YPS000502	73%	98.3%	96.1%
PAE204285	ABA102333	44%	94.6%	91.5%
PAE204285	BAN110046	21%	72.0%	95.3%
PAE204285	BAN100665	23%	94.3%	97.3%
PAE204285	BAN112042	21%	93.6%	42.9%
PAE204285	BAN102196	25%	90.9%	97.5%
PAE204285	BAN106725	24%	95.3%	93.4%
PAE204285	BAN105758	31%	42.9%	90.4%
PAE204285	BFR11086	28%	92.9%	96.5%
PAE204285	BPT101571	49%	93.2%	99.6%
PAE204285	BCE115215	47%	94.6%	93.7%
PAE204285	BMA102938	32%	90.9%	87.5%
PAE204285	CAC102930	23%	97.6%	97.5%
PAE204285	CBO100389	30%	23.0%	90.9%
PAE204285	CDF102505	21%	94.3%	87.8%
PAE204285	KPN301109	27%	93.2%	98.6%
PAE204285	MCA102862	22%	90.5%	86.9%
PAE204285	PMU101698	28%	93.9%	94.7%
PAE204285	PRT101102	43%	94.3%	91.2%
PAE204285	PAE204285	100%	100%	100%
PAE204285	PPU100484	65%	95.9%	96.9%
PAE204285	PSY101025	60%	80.1%	96.3%
PAE204285	SAU800107	24%	95.6%	96.6%
PAE204285	SPN401145	20%	93.2%	94.6%
PAE204285	SPY200825	22%	66.6%	80%
PAE204285	YPS002375	47%	95.3%	92.5%
PAE204293	BCE107990	33%	61.9%	58.5%
PAE204293	BFU108056	30%	71.9%	74.1%
PAE204293	CJU100562	26%	65%	26.2%
PAE204293	MBV100975	26%	51.2%	56.1%
PAE204293	MTU202514	26%	51.2%	56.1%
PAE204293	PAE204293	100%	100%	100%
PAE204293	PPU108097	36%	81.9%	80.8%
PAE204293	PSY106953	40%	59.4%	60.5%
PAE204293	SEP200554	23%	57.5%	31.0%
PAE204294	PAE204294	100%	100%	100%
PAE204294	PPU108108	51%	92.4%	96.0%
PAE204294	PSY105075	47%	92%	90.2%
PAE204314	EBC101552	47%	97.3%	99.6%
PAE204314	ECO101970	51%	86.9%	88.2%
PAE204314	HIN101344	45%	93.3%	94.1%
PAE204314	KPN309093	52%	86.0%	87.6%
PAE204314	PMU100611	46%	88.3%	90.1%
PAE204314	PRT105881	50%	89.2%	90.5%
PAE204314	PAE204314	100%	100%	100%
PAE204314	PPU107754	71%	99.2%	99.8%
PAE204314	PSY101270	69%	98.5%	99.4%
PAE204314	SPA103636	49%	97.5%	99.8%
PAE204314	STY103470	51%	89.8%	91.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204314	STM103236	51%	89.8%	91.0%
PAE204314	VCH101215	49%	87.9%	89.7%
PAE204314	YPS002994	52%	89.0%	90.3%
PAE204330	PAE204330	100%	100%	100%
PAE204345	BAN107347	24%	72.9%	85.8%
PAE204345	BCE115205	36%	90.4%	90.4%
PAE204345	CDF102323	23%	72.1%	80.3%
PAE204345	CDP100508	22%	70.1%	77.5%
PAE204345	LPN100523	31%	28.4%	25.5%
PAE204345	MLP101083	24%	72.1%	85.7%
PAE204345	PAE204345	100%	100%	100%
PAE204345	PPU101455	62%	95.3%	96.6%
PAE204345	PSY101765	61%	57.8%	99.6%
PAE204345	PSY105041	66%	78.4%	99.3%
PAE204345	SAU801057	24%	45.3%	41.3%
PAE204345	SHA100448	23%	40.6%	38.9%
PAE204361	ABA105892	34%	96.3%	98.3%
PAE204361	BPT100780	41%	95.7%	96.7%
PAE204361	BCE107642	44%	96.3%	98.3%
PAE204361	BFU108097	47%	90.7%	92.6%
PAE204361	BMA104130	45%	90.7%	92.6%
PAE204361	CDP100180	39%	95.7%	96.6%
PAE204361	EBC103705	42%	95%	95.6%
PAE204361	ECO102851	40%	94.7%	95.3%
PAE204361	KPN303072	41%	94.7%	95.3%
PAE204361	MBV102501	40%	96.3%	93.7%
PAE204361	MTU201952	40%	96.3%	93.7%
PAE204361	PRT101296	40%	94.7%	94.6%
PAE204361	PAE204361	100%	100%	100%
PAE204361	PPU101559	76%	98%	99.3%
PAE204361	PSY101745	73%	99%	99.3%
PAE204361	SPA100739	52%	34%	96.1%
PAE204361	STY104481	41%	94.7%	95.3%
PAE204361	STM100491	41%	94.7%	95.3%
PAE204361	VCH100477	39%	95.7%	96.6%
PAE204361	YPS000188	41%	95%	94.0%
PAE204373	BFR102552	34%	96.2%	50.5%
PAE204373	HIN100875	45%	99.0%	98.4%
PAE204373	LPN100761	52%	94.2%	99.7%
PAE204373	LMO101639	24%	21.3%	19.9%
PAE204373	MBV101812	28%	29.8%	39.5%
PAE204373	MTU301852	28%	29.8%	39.5%
PAE204373	PMU101132	46%	99.0%	98.4%
PAE204373	PAE204373	100%	100%	100%
PAE204373	PPU101529	82%	99.1%	48.8%
PAE204373	SHA100824	25%	96.3%	90.4%
PAE204373	VCH100162	48%	99.0%	97.5%
PAE204411	ABA103723	44%	87.2%	86.9%
PAE204411	BAN104393	39%	90.2%	98.6%
PAE204411	BAN108260	39%	90.2%	98.3%
PAE204411	BFR100762	30%	87.2%	84.0%
PAE204411	BPT103003	44%	90.2%	91.9%
PAE204411	BBU100301	30%	87.0%	93.7%
PAE204411	BCE103498	43%	91.0%	97.6%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204411	BFU100816	44%	92.7%	87.8%
PAE204411	BMA109411	43%	91.0%	85.6%
PAE204411	CAC100555	32%	89.7%	96.0%
PAE204411	CBO100202	34%	89.2%	95.1%
PAE204411	CDF103581	33%	87.0%	91.2%
PAE204411	CDP101270	33%	88.2%	71.7%
PAE204411	EBC102569	44%	88.2%	84.5%
PAE204411	EFA200310	32%	95.2%	98.0%
PAE204411	EFM200911	31%	94.2%	99.5%
PAE204411	ECO100089	45%	90.2%	86.5%
PAE204411	HIN101111	41%	92.2%	92.9%
PAE204411	HPY101537	30%	86.5%	95.1%
PAE204411	KPN301852	43%	90.2%	84.4%
PAE204411	LPN100221	56%	71.2%	94.4%
PAE204411	LMO101232	31%	89.0%	91.2%
PAE204411	MCA103455	35%	89.0%	91.6%
PAE204411	MAV103648	34%	85.7%	55.6%
PAE204411	MBV100525	34%	88.0%	71.4%
PAE204411	MLP100568	35%	85.7%	63.5%
PAE204411	MTU202120	34%	88.0%	66.6%
PAE204411	NGO100588	37%	91.7%	94.3%
PAE204411	NME201907	37%	91.7%	91.7%
PAE204411	PMU100141	45%	90.2%	90.9%
PAE204411	PRT102637	45%	91.0%	90.9%
PAE204411	PAE204411	100%	100%	100%
PAE204411	PPU112591	80%	99.7%	98.5%
PAE204411	PSY103847	81%	99.7%	98.5%
PAE204411	STY103175	43%	90.2%	86.5%
PAE204411	STM102887	43%	90.2%	86.5%
PAE204411	SAU801113	32%	79.7%	86.6%
PAE204411	SEP200834	31%	88.7%	89.7%
PAE204411	SHA101706	32%	85.5%	93.4%
PAE204411	SMU101535	30%	94.7%	94.8%
PAE204411	SPN400973	32%	92.0%	95.4%
PAE204411	SPY200440	29%	89.5%	88.0%
PAE204411	TPA100383	31%	96.7%	99.7%
PAE204411	VCH102367	48%	87.7%	87.7%
PAE204411	YPS001012	44%	90.2%	89.5%
PAE204431	ABA100676	71%	100%	100%
PAE204431	BAN101291	54%	95.8%	93.8%
PAE204431	BAN111521	54%	95.8%	93.8%
PAE204431	BFR11426	45%	99.3%	93.5%
PAE204431	BPT102861	64%	99.3%	99.3%
PAE204431	BBU100338	48%	97.2%	94.5%
PAE204431	BCE107311	61%	100%	80.7%
PAE204431	BFU103522	61%	100%	100%
PAE204431	BMA107182	61%	100%	79.3%
PAE204431	CJU101396	52%	97.9%	99.3%
PAE204431	CPN200505	48%	90.8%	86.6%
PAE204431	CTR200395	52%	90.8%	86.7%
PAE204431	CAC102148	52%	100%	98.6%
PAE204431	CBO103121	56%	100%	97.9%
PAE204431	CDF100062	55%	98.6%	97.9%
PAE204431	CDP100045	45%	97.2%	93.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204431	EBC102180	75%	100%	100%
PAE204431	EFA200811	58%	98.6%	95.9%
PAE204431	EFM201491	60%	98.6%	79.5%
PAE204431	ECO103161	74%	100%	100%
PAE204431	HIN101412	72%	100%	100%
PAE204431	HPY100082	54%	93.7%	94.3%
PAE204431	KPN301994	76%	100%	100%
PAE204431	LPN102178	73%	100%	98.6%
PAE204431	LMO100177	53%	95.8%	93.8%
PAE204431	MCA103453	67%	98.6%	97.9%
PAE204431	MAV103415	51%	96.5%	93.2%
PAE204431	MBV101152	51%	95.1%	69.2%
PAE204431	MLP100232	50%	100%	96.6%
PAE204431	MTU203396	51%	96.5%	93.2%
PAE204431	MGE100428	42%	92.3%	90.4%
PAE204431	MPN100225	42%	95.8%	93.2%
PAE204431	NGO101071	64%	100%	99.3%
PAE204431	NME200352	63%	100%	99.3%
PAE204431	PMU100520	72%	100%	100%
PAE204431	PRT100489	76%	100%	100%
PAE204431	PAE204431	100%	100%	100%
PAE204431	PPU105984	92%	100%	100%
PAE204431	PSY103838	92%	99.3%	99.3%
PAE204431	SPA100958	74%	100%	100%
PAE204431	STY101563	74%	100%	100%
PAE204431	SAU802218	55%	99.3%	97.2%
PAE204431	SEP202048	53%	99.3%	97.2%
PAE204431	SHA100040	55%	75.4%	95.5%
PAE204431	SMU101369	54%	98.6%	94.6%
PAE204431	SPN400271	56%	98.6%	94.6%
PAE204431	SPY201486	57%	98.6%	94.6%
PAE204431	TPA101015	50%	98.6%	98.6%
PAE204431	UUR100584	46%	92.3%	88.5%
PAE204431	VCH100560	73%	100%	100%
PAE204431	YPS002279	76%	100%	100%
PAE204471	ABA105025	27%	80.5%	89.9%
PAE204471	BPT104331	40%	77.5%	84.2%
PAE204471	BCE108946	33%	62%	79.7%
PAE204471	BFU113836	35%	85%	57.5%
PAE204471	BMA107760	38%	79.5%	80.9%
PAE204471	EBC106360	39%	84%	91.3%
PAE204471	ECO104124	38%	84%	91.3%
PAE204471	HIN101125	35%	86.5%	93.3%
PAE204471	KPN303808	40%	84%	91.3%
PAE204471	LPN100214	39%	77.5%	97.5%
PAE204471	MCA102216	23%	65.5%	77.8%
PAE204471	NGO100967	33%	77%	91.1%
PAE204471	NME200966	34%	79%	82.2%
PAE204471	PMU100119	39%	84.5%	91.7%
PAE204471	PRT101288	38%	86.5%	95.7%
PAE204471	PAE204471	100%	100%	100%
PAE204471	PPU103909	72%	84.5%	97.7%
PAE204471	PSY106620	72%	84%	97.1%
PAE204471	SPA102763	39%	84%	91.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204471	STY103886	39%	84%	91.3%
PAE204471	VCH102499	40%	75.5%	77.7%
PAE204471	YPS003251	44%	83.5%	91.2%
PAE204504	BAN101161	32%	96.9%	97.6%
PAE204504	BAN109013	33%	97.2%	96.6%
PAE204504	BAN110060	45%	96.6%	4.8%
PAE204504	BBU100334	45%	82.7%	84.8%
PAE204504	BCE106540	66%	80.2%	97.7%
PAE204504	BFU109289	65%	98.1%	93.2%
PAE204504	CPN200062	41%	93.2%	93.5%
PAE204504	CTR200061	41%	77.7%	86.9%
PAE204504	CAC102648	42%	97.5%	97.2%
PAE204504	CAC100116	43%	97.5%	97.9%
PAE204504	CAC103762	44%	97.5%	91.1%
PAE204504	CBO102577	45%	97.5%	98.1%
PAE204504	CDF100134	45%	63.8%	99.5%
PAE204504	CDF104004	44%	97.5%	98.1%
PAE204504	EBC101780	57%	98.8%	95.5%
PAE204504	EFA200365	45%	83.6%	84.0%
PAE204504	EFM201099	46%	85.1%	85.5%
PAE204504	ECO103463	58%	98.8%	95.5%
PAE204504	HIN101157	59%	97.8%	96.9%
PAE204504	HPY100298	50%	78.9%	95.1%
PAE204504	KPN304278	58%	98.8%	94.7%
PAE204504	LMO100693	48%	76.8%	77.0%
PAE204504	MCA100410	44%	77.4%	76.1%
PAE204504	MAV100734	47%	99.1%	4.1%
PAE204504	MBV105548	47%	99.1%	4.1%
PAE204504	MLP100690	46%	99.1%	4.1%
PAE204504	MTU201264	47%	99.1%	4.1%
PAE204504	PMU100240	56%	96.9%	96.3%
PAE204504	PRT105675	58%	98.1%	95.2%
PAE204504	PAE204504	100%	100%	100%
PAE204504	PPU101434	87%	99.7%	100%
PAE204504	PSY104896	87%	57.9%	98.9%
PAE204504	SPA100907	54%	98.8%	96.7%
PAE204504	STY100773	57%	98.8%	94.7%
PAE204504	SAU800993	45%	99.1%	98.2%
PAE204504	SEP200214	45%	76.8%	80.1%
PAE204504	SHA101387	43%	83.6%	85.0%
PAE204504	SMU101520	42%	83.3%	79.8%
PAE204504	SPN301765	44%	81.4%	83.4%
PAE204504	SPY200219	43%	81.4%	83.7%
PAE204504	VCH101076	46%	97.8%	95.8%
PAE204504	YPS002619	58%	98.1%	94.6%
PAE204510	ABA105527	61%	100%	98.0%
PAE204510	BPT101554	60%	97.7%	82.3%
PAE204510	BCE104233	60%	100%	100%
PAE204510	BFU100324	58%	99.7%	99.7%
PAE204510	BMA108732	60%	99.7%	99.7%
PAE204510	EBC107794	56%	98.3%	98.3%
PAE204510	KPN307613	65%	99.7%	99%
PAE204510	PAE204510	100%	100%	100%
PAE204510	PPU111291	69%	99.0%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204510	SPA101767	53%	67.2%	94.9%
PAE204510	STY102347	57%	98.3%	97.0%
PAE204540	ABA101867	66%	99.9%	99.3%
PAE204540	BAN105594	32%	21.7%	100%
PAE204540	BAN100493	45%	26.0%	97.4%
PAE204540	BAN103472	49%	42.4%	89.1%
PAE204540	BAN107108	54%	99.8%	99.5%
PAE204540	BFR10905	35%	98.5%	98.1%
PAE204540	BFR101559	52%	99.9%	99.8%
PAE204540	BPT101928	64%	99.9%	99.4%
PAE204540	BCE104127	43%	5.2%	81.5%
PAE204540	BCE108256	67%	99.9%	99.4%
PAE204540	BFU101142	69%	76.0%	98.9%
PAE204540	BMA104295	67%	99.9%	99.4%
PAE204540	CJU100472	47%	99.4%	98.9%
PAE204540	CPN200617	48%	99.6%	98.5%
PAE204540	CTR200383	49%	99.6%	99.1%
PAE204540	CAC100315	50%	99.5%	99.1%
PAE204540	CBO100316	52%	99.8%	99.5%
PAE204540	CDF100817	52%	98.6%	98.4%
PAE204540	CDP102540	46%	3.5%	45.5%
PAE204540	CDP101419	55%	99.3%	99.1%
PAE204540	EBC100668	71%	65.1%	99.6%
PAE204540	EFA200871	55%	99.9%	99.1%
PAE204540	EFM202090	55%	99.9%	99.0%
PAE204540	ECO102539	71%	99.8%	99.6%
PAE204540	HIN100839	69%	99.6%	99.5%
PAE204540	HPY100260	48%	99.4%	99.1%
PAE204540	KPN301209	70%	99.8%	99.6%
PAE204540	LPN102913	73%	98.2%	99.6%
PAE204540	LMO101394	52%	99.9%	99.5%
PAE204540	MCA100931	64%	99.9%	96.2%
PAE204540	MAV101212	55%	99.1%	96.9%
PAE204540	MBV100178	57%	95.0%	99.3%
PAE204540	MLP101480	55%	98.7%	98.5%
PAE204540	MTU200383	56%	98.7%	98.5%
PAE204540	MGE100365	48%	82.3%	98.6%
PAE204540	MPN100311	49%	79.4%	95.0%
PAE204540	NGO100439	63%	100%	100%
PAE204540	NME201542	63%	100%	100%
PAE204540	PMU101704	69%	98.7%	98.6%
PAE204540	PRT105204	70%	99.8%	99.5%
PAE204540	PAE204540	100%	100%	100%
PAE204540	PPU108177	89%	99.9%	99.9%
PAE204540	PSY100953	88%	95.9%	99.9%
PAE204540	SPA106334	73%	39.9%	100%
PAE204540	STY102189	71%	99.8%	99.6%
PAE204540	SAU800975	51%	99.4%	98.6%
PAE204540	SEP200200	51%	99.5%	98.7%
PAE204540	SHA100227	55%	89.5%	94.8%
PAE204540	SMU100300	42%	97.2%	96.9%
PAE204540	SPN300759	45%	79.7%	81.6%
PAE204540	SPY201161	44%	79.7%	80.7%
PAE204540	TPA100070	52%	99.9%	99.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204540	UUR100394	47%	81.4%	98.0%
PAE204540	VCH100698	70%	99.6%	99.5%
PAE204540	YPS002837	69%	99.8%	99.6%
PAE204574	ABA105409	34%	98.4%	92.9%
PAE204574	CAC101486	25%	86.3%	91.9%
PAE204574	CBO102395	25%	87.1%	91.5%
PAE204574	CDF101894	34%	89.2%	96.0%
PAE204574	EBC100812	36%	42.1%	82.1%
PAE204574	ECO100930	37%	49.7%	68.4%
PAE204574	HIN101290	34%	54.3%	74.2%
PAE204574	KPN300544	54%	17.0%	78.1%
PAE204574	MCA101111	34%	90.9%	98.0%
PAE204574	PMU100483	32%	63.5%	88.4%
PAE204574	PRT100044	50%	26.1%	77.3%
PAE204574	PAE204574	100%	100%	100%
PAE204574	PPU109786	81%	98.8%	99.4%
PAE204574	PSY104889	82%	89.7%	98.1%
PAE204574	SPA103381	35%	49.7%	68.6%
PAE204574	STY103600	37%	49.7%	68.4%
PAE204574	TPA100015	29%	91.3%	94.2%
PAE204574	VCH103693	35%	94.9%	99.1%
PAE204574	YPS002136	38%	55.1%	73.9%
PAE204580	BCE109900	69%	99.0%	85.3%
PAE204580	CAC102583	33%	95.0%	95.9%
PAE204580	MBV101045	29%	25.2%	24.4%
PAE204580	MTU202418	29%	25.2%	24.4%
PAE204580	PAE204580	100%	100%	100%
PAE204596	ABA100290	53%	48.9%	99.5%
PAE204596	BCE108487	56%	98.5%	97.8%
PAE204596	EFA201472	25%	19.9%	90.6%
PAE204596	KPN200571	52%	47.9%	98.6%
PAE204596	NME100473	50%	72.9%	98.9%
PAE204596	PAE204596	100%	100%	100%
PAE204596	PPU110586	82%	100%	100%
PAE204596	PSY100581	77%	99.8%	99.4%
PAE204614	BPT100481	31%	97.9%	97.1%
PAE204614	BCE102421	22%	90.7%	93.9%
PAE204614	BFU110855	23%	94.6%	80.7%
PAE204614	EFA201253	22%	92.5%	91.6%
PAE204614	EFM101557	23%	88.9%	85.7%
PAE204614	HIN100139	22%	96.4%	98.8%
PAE204614	HIN101007	22%	84.3%	83.2%
PAE204614	KPN302119	21%	94.0%	92.7%
PAE204614	PMU100275	51%	99.1%	87.4%
PAE204614	PAE205162	53%	97.0%	97.3%
PAE204614	PAE200883	54%	99.4%	99.4%
PAE204614	PAE204614	100%	100%	100%
PAE204614	PPU108073	20%	93.7%	95.4%
PAE204614	PSY105642	23%	92.5%	89.1%
PAE204614	STM101198	23%	86.4%	86.9%
PAE204614	TPA100947	20%	78.0%	78.1%
PAE204614	VCH101899	44%	99.7%	100%
PAE204614	YPS003054	20%	83.4%	84.8%
PAE204622	BPT102188	25%	92.6%	92.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204622	BCE111864	25%	92.3%	98.9%
PAE204622	BMA101644	24%	93.0%	97.9%
PAE204622	PAE204622	100%	100%	100%
PAE204622	PPU105745	25%	94.0%	95.3%
PAE204662	ABA105579	66%	99.4%	98.3%
PAE204662	BAN113068	48%	94.7%	99.4%
PAE204662	BAN100929	51%	98.1%	99.4%
PAE204662	BFR11151	47%	97.8%	97.3%
PAE204662	BPT101750	61%	99.7%	99.2%
PAE204662	BBU100195	48%	97.5%	98.3%
PAE204662	BCE108751	60%	100%	99.4%
PAE204662	BFU107325	60%	100%	99.4%
PAE204662	BMA103540	60%	100%	99.4%
PAE204662	CJU101518	53%	97.5%	98.3%
PAE204662	CPN200648	49%	93.3%	94.7%
PAE204662	CTR200287	50%	92.5%	93.3%
PAE204662	CAC101625	52%	98.9%	99.2%
PAE204662	CBO100481	52%	98.6%	99.2%
PAE204662	CDF101347	53%	98.3%	100%
PAE204662	CDP100071	43%	98.3%	99.4%
PAE204662	EBC100920	72%	68.3%	99.2%
PAE204662	EFA201655	53%	96.7%	97.5%
PAE204662	EFM200375	52%	97.5%	98.3%
PAE204662	ECO101184	65%	100%	99.4%
PAE204662	HIN101530	63%	100%	99.2%
PAE204662	HPY100075	52%	96.7%	98.3%
PAE204662	KPN303478	65%	100%	99.4%
PAE204662	LPN101572	62%	99.7%	99.2%
PAE204662	LMO101439	50%	98.1%	98.6%
PAE204662	MCA100127	60%	99.7%	99.4%
PAE204662	MAV106507	43%	94.7%	95.5%
PAE204662	MBV105506	43%	94.7%	95.5%
PAE204662	MLP100700	42%	95.6%	96.4%
PAE204662	MTU201282	43%	94.7%	95.5%
PAE204662	MGE100263	47%	89.4%	89.4%
PAE204662	MPN100475	47%	89.4%	89.4%
PAE204662	NGO100540	62%	100%	100%
PAE204662	NME201794	62%	100%	100%
PAE204662	PMU100555	62%	100%	99.4%
PAE204662	PRT101055	65%	100%	99.4%
PAE204662	PAE204662	100%	100%	100%
PAE204662	PPU109700	84%	100%	100%
PAE204662	PSY102423	85%	100%	100%
PAE204662	SPA100352	58%	100%	99.4%
PAE204662	STY101661	65%	100%	99.4%
PAE204662	SAU802118	52%	98.9%	99.2%
PAE204662	SEP201909	51%	98.9%	99.2%
PAE204662	SHA100601	50%	98.9%	99.2%
PAE204662	SMU100318	51%	98.6%	99.2%
PAE204662	SPN400924	49%	98.6%	99.2%
PAE204662	SPY200868	51%	99.2%	99.7%
PAE204662	TPA100050	48%	95%	97.4%
PAE204662	UUR100003	46%	91.9%	91.9%
PAE204662	VCH102146	61%	100%	99.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204662	YPS003258	63%	100%	99.4%
PAE204668	ABA100156	59%	47.1%	99.0%
PAE204668	BFR10466	28%	88.7%	88.3%
PAE204668	BPT100615	46%	96.6%	95.1%
PAE204668	BBU100785	33%	83.8%	77.6%
PAE204668	BCE100941	45%	86.3%	87.1%
PAE204668	BFU104372	42%	73.5%	93.9%
PAE204668	BMA104337	40%	93.6%	92.3%
PAE204668	CJU100280	24%	91.7%	100%
PAE204668	CPN200893	33%	79.4%	88.6%
PAE204668	CTR200177	33%	82.8%	91.9%
PAE204668	CBO100745	29%	82.4%	80%
PAE204668	CDP100213	27%	98.5%	93.7%
PAE204668	EBC102919	43%	45.6%	97.9%
PAE204668	EFA200510	30%	90.2%	86.6%
PAE204668	EFM200879	29%	89.2%	86.1%
PAE204668	ECO102144	38%	45.6%	97.9%
PAE204668	HIN101596	48%	45.6%	96.8%
PAE204668	HPY101475	22%	83.3%	92.1%
PAE204668	KPN301785	39%	45.6%	97.9%
PAE204668	LPN100134	50%	28.4%	87.9%
PAE204668	LMO100830	30%	86.8%	82.1%
PAE204668	MCA100395	42%	100%	91.9%
PAE204668	MAV105518	33%	97.5%	85.4%
PAE204668	MBV105580	33%	97.5%	87.9%
PAE204668	MLP100176	32%	82.8%	74.9%
PAE204668	MTU201004	33%	97.5%	87.9%
PAE204668	NGO101086	40%	89.2%	95.3%
PAE204668	NME201008	40%	89.2%	95.3%
PAE204668	PMU100639	44%	46.1%	98.9%
PAE204668	PRT101142	41%	44.6%	95.7%
PAE204668	PAE204668	100%	100%	100%
PAE204668	PPU104091	68%	100%	100%
PAE204668	PSY102433	70%	100%	100%
PAE204668	STY104335	39%	45.6%	97.9%
PAE204668	STM100156	39%	45.6%	97.9%
PAE204668	SAU800501	33%	77.5%	68.2%
PAE204668	SEP201834	34%	77.5%	67.6%
PAE204668	SHA100294	35%	77.5%	67.0%
PAE204668	TPA100368	28%	96.6%	95.9%
PAE204668	VCH101613	42%	44.1%	95.7%
PAE204668	YPS000333	43%	45.1%	96.8%
PAE204678	PAE204678	100%	100%	100%
PAE204687	BPT100111	39%	90.1%	83.6%
PAE204687	BCE114267	38%	52.5%	82.4%
PAE204687	BFU101584	37%	88.1%	72.5%
PAE204687	BMA106126	36%	88.1%	85.9%
PAE204687	CJU100346	26%	57.4%	59.8%
PAE204687	CAC101034	41%	24.8%	22.2%
PAE204687	CAC102777	28%	70.8%	65.1%
PAE204687	EBC103549	42%	68.8%	93.3%
PAE204687	ECO101936	37%	95.0%	91.5%
PAE204687	KPN302540	39%	86.6%	90.5%
PAE204687	PMU100538	36%	85.1%	82.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204687	PAE204687	100%	100%	100%
PAE204687	PPU100087	65%	96.5%	99.0%
PAE204687	PSY107002	73%	96.5%	92.4%
PAE204687	SPA101603	39%	88.6%	94.1%
PAE204687	STY101659	40%	88.6%	88.4%
PAE204687	STM102305	40%	88.6%	88.4%
PAE204687	TPA100566	28%	37.1%	24.2%
PAE204687	YPS003144	40%	95.0%	93.7%
PAE204705	BPT102469	46%	96.9%	92.5%
PAE204705	BCE107363	45%	64.7%	84.4%
PAE204705	BMA106285	47%	99.7%	86.8%
PAE204705	EBC101854	45%	93.5%	96.4%
PAE204705	ECO204406	41%	93.8%	95.6%
PAE204705	KPN303846	40%	94.4%	94.2%
PAE204705	PRT100988	38%	94.1%	92.6%
PAE204705	PAE204705	100%	100%	100%
PAE204705	YPS002675	43%	94.6%	95.9%
PAE204740	ABA104593	51%	100%	100%
PAE204740	BAN113310	38%	70.7%	86.8%
PAE204740	BAN110029	48%	77.1%	94.3%
PAE204740	BFR11714	43%	17.5%	0.5%
PAE204740	BPT100248	55%	88.7%	85.4%
PAE204740	BBU100800	41%	79.4%	72.8%
PAE204740	BCE101969	57%	86.7%	99.2%
PAE204740	BFU100867	49%	100%	100%
PAE204740	BMA109716	50%	99.4%	100%
PAE204740	CJU100125	37%	100%	100%
PAE204740	CPN200434	39%	9.6%	2.8%
PAE204740	CTR200365	38%	85.1%	78.2%
PAE204740	CAC100425	52%	68.6%	84.1%
PAE204740	CBO103185	51%	68.3%	82.3%
PAE204740	CDF102888	50%	69.0%	90.6%
PAE204740	CDP100479	50%	68.9%	97.7%
PAE204740	EBC101431	58%	95.6%	99.8%
PAE204740	EFA200621	42%	91.4%	95.7%
PAE204740	EFM201052	45%	77.7%	94.9%
PAE204740	ECO103100	58%	100%	99.9%
PAE204740	HIN101252	58%	93.3%	99.4%
PAE204740	HPY101031	38%	96.5%	85.4%
PAE204740	KPN301426	58%	92.9%	99.9%
PAE204740	LPN102343	67%	51.9%	100%
PAE204740	LMO100282	48%	73.6%	80.6%
PAE204740	MCA100802	52%	97.1%	94.3%
PAE204740	MAV100286	50%	69.5%	99.5%
PAE204740	MBV104310	51%	51.8%	100%
PAE204740	MLP100953	48%	72.4%	68.4%
PAE204740	MTU202801	48%	72.4%	70.2%
PAE204740	MGE100144	41%	67.5%	91.6%
PAE204740	MPN100676	41%	67.9%	92.4%
PAE204740	NGO101494	56%	88.2%	95.1%
PAE204740	NME201748	56%	14.5%	0.8%
PAE204740	PMU100759	58%	92.9%	98.6%
PAE204740	PRT102425	54%	100%	99.9%
PAE204740	PAE204740	100%	100%	100%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204740	PPU108488	81%	100%	100%
PAE204740	PSY104832	90%	66.0%	100%
PAE204740	SPA101256	67%	55.1%	100%
PAE204740	STY101473	58%	100%	99.9%
PAE204740	SAU801269	48%	77.4%	92.9%
PAE204740	SEP201562	44%	87.9%	97.9%
PAE204740	SHA100514	46%	78.6%	92.0%
PAE204740	SMU100784	44%	88.0%	79.6%
PAE204740	SPN400481	43%	18.1%	1.0%
PAE204740	SPY201321	43%	86.0%	77.3%
PAE204740	TPA100881	49%	71.2%	70.5%
PAE204740	UUR100322	42%	71.1%	98.5%
PAE204740	VCH100631	58%	100%	99.9%
PAE204740	YPS001051	58%	100%	99.9%
PAE204767	ABA104933	84%	99.5%	99.0%
PAE204767	BAN109344	22%	34.1%	43.5%
PAE204767	BAN107706	25%	34.1%	42.4%
PAE204767	BBU100683	25%	34.1%	41.4%
PAE204767	CBO101704	54%	32.5%	36.8%
PAE204767	CDF103639	43%	39.9%	45.9%
PAE204767	EBC103192	87%	99.5%	100%
PAE204767	EFA200385	24%	42.8%	49.9%
PAE204767	ECO103527	86%	99.7%	96.0%
PAE204767	HIN101704	75%	98.7%	98.7%
PAE204767	KPN305761	84%	100%	96.7%
PAE204767	LMO101142	35%	25.5%	27.1%
PAE204767	PAE204767	100%	100%	100%
PAE204767	PPU108584	88%	100%	100%
PAE204767	SPA100379	86%	70.1%	100%
PAE204767	STY100378	86%	99.7%	96.0%
PAE204767	STM104153	87%	99.7%	96.0%
PAE204767	SAU802346	22%	42.8%	49.3%
PAE204767	SEP200052	20%	42.8%	49.3%
PAE204767	SEP200853	20%	42.8%	49.3%
PAE204767	SHA102078	23%	34.6%	43.3%
PAE204767	SMU100940	19%	52.8%	67.4%
PAE204767	VCH103702	83%	99.0%	99.7%
PAE204767	YPS003024	86%	98.4%	98.4%
PAE204800	BFR102771	22%	92.3%	83.3%
PAE204800	BFU102617	25%	97.2%	92.3%
PAE204800	BFU114503	26%	96.6%	92.5%
PAE204800	CPN200469	23%	81.7%	81.6%
PAE204800	CTR200481	21%	87.3%	86.5%
PAE204800	CBO101439	22%	92.0%	88.8%
PAE204800	CBO103058	24%	96.8%	98.5%
PAE204800	CDF104133	22%	94.6%	97.0%
PAE204800	EFA201010	27%	96.8%	98.0%
PAE204800	EFM202030	21%	88.6%	86.2%
PAE204800	LPN101775	26%	33.1%	74.4%
PAE204800	LPN100968	17%	81.1%	84.5%
PAE204800	LPN101607	22%	82.2%	81.8%
PAE204800	LPN102488	22%	95.7%	93.3%
PAE204800	LPN102086	25%	85.8%	86.6%
PAE204800	LMO101800	31%	97.0%	97.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204800	PRT102321	22%	97.0%	92.0%
PAE204800	PAE204800	100%	100%	100%
PAE204800	SPA103770	25%	95.9%	99.3%
PAE204800	STY101003	25%	99.4%	99.6%
PAE204800	SMU101534	28%	95.1%	97.6%
PAE204800	UUR100224	23%	50.5%	37.0%
PAE204826	ABA100265	34%	97.8%	87.3%
PAE204826	BAN104943	33%	46.8%	30.9%
PAE204826	BAN100967	33%	46.8%	30.2%
PAE204826	BCE106941	39%	91.9%	89.7%
PAE204826	BFU102012	37%	98.4%	92.2%
PAE204826	PAE204826	100%	100%	100%
PAE204826	PSY108250	54%	100%	98.4%
PAE204826	SPN402037	24%	58.1%	53.9%
PAE204877	BCE106244	61%	89.8%	87.4%
PAE204877	BFU101663	71%	92.5%	91.5%
PAE204877	BMA101355	59%	96.9%	93.2%
PAE204877	MAV108341	35%	56.9%	26.0%
PAE204877	MAV108800	37%	55.7%	32.7%
PAE204877	MBV102879	33%	62.4%	37.3%
PAE204877	MTU200217	33%	62.4%	37.3%
PAE204877	PAE204877	100%	100%	100%
PAE204877	PSY102852	69%	100%	100%
PAE204883	ABA105321	46%	93.5%	90.6%
PAE204883	ABA104613	56%	94.3%	95.3%
PAE204883	BAN100629	21%	64.9%	60.7%
PAE204883	CDP100940	40%	93.5%	80.8%
PAE204883	EBC101375	34%	17.6%	21.4%
PAE204883	MAV101692	53%	95.9%	96.7%
PAE204883	MBV101707	46%	94.1%	82.0%
PAE204883	MTU203186	46%	94.1%	82.0%
PAE204883	PAE204883	100%	100%	100%
PAE204884	ABA105033	31%	91.0%	92.4%
PAE204884	CDP100938	28%	82.2%	79.7%
PAE204884	MAV101693	36%	80.1%	77.5%
PAE204884	MBV101709	33%	95.9%	91.8%
PAE204884	MTU203187	33%	95.9%	91.8%
PAE204884	PMU100720	27%	22.7%	100%
PAE204884	PAE204884	100%	100%	100%
PAE204909	PAE204909	100%	100%	100%
PAE204909	PPU102291	63%	87.8%	96.1%
PAE204909	PPU111473	61%	94.9%	99.3%
PAE204909	PSY101885	71%	95.2%	90.3%
PAE204911	ABA100134	35%	96.1%	84.7%
PAE204911	BFR11474	25%	77.9%	80.2%
PAE204911	BPT102027	26%	37.2%	24.3%
PAE204911	CAC103630	26%	87.9%	83.1%
PAE204911	CDP102364	28%	86.6%	79.3%
PAE204911	EBC105849	34%	31.6%	55.2%
PAE204911	EFA200852	26%	91.3%	85.0%
PAE204911	EFM200585	27%	90.0%	83.9%
PAE204911	LMO102769	27%	49.8%	50.8%
PAE204911	MCA102056	25%	43.3%	31.1%
PAE204911	MAV100541	29%	83.5%	77.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204911	MBV104034	27%	83.5%	79.2%
PAE204911	MLP100758	28%	83.5%	78.2%
PAE204911	MTU201572	27%	83.5%	79.2%
PAE204911	PRT101899	38%	96.1%	83.5%
PAE204911	PAE204911	100%	100%	100%
PAE204911	VCH102833	30%	77.9%	81.9%
PAE204922	BCE111963	39%	96.0%	99.5%
PAE204922	BFU103134	40%	99.5%	97.7%
PAE204922	BMA100331	41%	96.3%	100%
PAE204922	MAV106939	26%	22.2%	98.0%
PAE204922	MAV106060	40%	9.8%	61.4%
PAE204922	MAV100149	59%	7.7%	91.4%
PAE204922	MAV100499	38%	81.6%	92.8%
PAE204922	MBV103935	37%	94.9%	92.3%
PAE204922	MLP101580	37%	94.9%	90.6%
PAE204922	MTU202530	37%	94.9%	92.3%
PAE204922	PAE204922	100%	100%	100%
PAE204922	PSY101029	68%	99.9%	99.9%
PAE204937	BPT103152	42%	94%	89.9%
PAE204937	BBU100202	28%	67.5%	92.3%
PAE204937	BFU112706	37%	91.2%	85.2%
PAE204937	BMA101625	35%	94.5%	92.7%
PAE204937	EBC103626	44%	98%	96.4%
PAE204937	ECO104064	44%	99.5%	98.6%
PAE204937	HIN100145	41%	90.8%	86.3%
PAE204937	KPN302190	46%	95.2%	89.8%
PAE204937	LPN101026	46%	94.2%	93.9%
PAE204937	PMU100117	40%	89.2%	85.7%
PAE204937	PRT105824	45%	91.2%	87.3%
PAE204937	PAE204937	100%	100%	100%
PAE204937	PPU106672	77%	100%	100%
PAE204937	PSY101054	74%	87.5%	100%
PAE204937	SPA100931	47%	91%	88.0%
PAE204937	STY103753	44%	99.5%	98.6%
PAE204937	STM103534	45%	99.5%	98.6%
PAE204937	SHA102135	32%	12.5%	8.8%
PAE204937	SMU101471	25%	52.2%	70.8%
PAE204937	SPN401959	22%	65.8%	89.6%
PAE204937	SPY201451	22%	65.5%	89.2%
PAE204937	TPA100112	31%	72.5%	92.4%
PAE204937	VCH100344	46%	92.8%	92.9%
PAE204937	YPS003528	42%	100%	99.8%
PAE204953	ABA102900	23%	88.3%	67.9%
PAE204953	PAE204953	100%	100%	100%
PAE204953	PSY101006	51%	99.6%	85.8%
PAE204992	ABA100900	45%	96.7%	99.0%
PAE204992	BAN102901	32%	89.4%	93.2%
PAE204992	BAN110260	35%	95.4%	99.7%
PAE204992	BFR101295	36%	81.9%	94.3%
PAE204992	BPT101485	40%	98.5%	98.8%
PAE204992	BCE103738	41%	96.4%	95.8%
PAE204992	BFU100868	41%	96.8%	96.3%
PAE204992	BMA104055	40%	96.4%	95.8%
PAE204992	CJU100742	31%	94.0%	95.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204992	CPN200336	30%	83.7%	76.3%
PAE204992	CTR200528	29%	85.2%	79.3%
PAE204992	CAC102735	35%	85.4%	73.2%
PAE204992	CBO102407	31%	94.4%	91.9%
PAE204992	CDF101733	35%	94.4%	98.4%
PAE204992	CDP100583	34%	81.9%	81.4%
PAE204992	EBC101303	34%	68.3%	91.4%
PAE204992	EFA200880	33%	95.0%	98.4%
PAE204992	EFM200467	35%	83.6%	86.4%
PAE204992	ECO100889	40%	96.5%	98.1%
PAE204992	HIN100059	43%	96.5%	97.4%
PAE204992	HPY101065	30%	92.9%	99.8%
PAE204992	KPN302628	40%	97.2%	98.8%
PAE204992	LPN102366	62%	37.1%	100%
PAE204992	LMO100572	31%	95.2%	94.2%
PAE204992	MCA103023	37%	96.4%	94.0%
PAE204992	MBV103347	35%	78.6%	77.2%
PAE204992	MTU201255	35%	78.6%	75.1%
PAE204992	MGE100015	32%	78.6%	81.8%
PAE204992	MPN100135	28%	96.7%	94.5%
PAE204992	NGO101390	35%	95.2%	95.0%
PAE204992	NME200496	35%	95.2%	95.2%
PAE204992	PMU100861	41%	97.0%	98.8%
PAE204992	PRT100905	45%	84.6%	90.8%
PAE204992	PAE204992	100%	100%	100%
PAE204992	PPU104724	86%	98.2%	98.0%
PAE204992	PSY101065	85%	92.0%	99.5%
PAE204992	SPA102062	39%	96.5%	98.1%
PAE204992	STY102916	40%	96.5%	98.1%
PAE204992	STM103304	40%	96.5%	98.1%
PAE204992	SAU801866	36%	95.4%	99.0%
PAE204992	SEP200496	34%	95.4%	99.0%
PAE204992	SHA100848	35%	95.4%	99.0%
PAE204992	SMU100890	32%	95.5%	97.6%
PAE204992	SPN401654	31%	95.4%	96.4%
PAE204992	SPY200167	30%	84.7%	90.1%
PAE204992	UUR100058	27%	82.1%	85.5%
PAE204992	VCH101848	44%	97.2%	98.8%
PAE204992	YPS001285	41%	96.5%	98.1%
PAE205001	BFR100206	25%	31.9%	63.3%
PAE205001	PAE205001	100%	100%	100%
PAE205001	PPU107412	67%	99.2%	100%
PAE205001	PSY103587	68%	99.4%	100%
PAE205019	BAN110014	36%	95.0%	94.0%
PAE205019	BAN108152	44%	97.1%	81.3%
PAE205019	PAE205019	100%	100%	100%
PAE205019	SEP201670	43%	93.3%	77.6%
PAE205019	SHA102287	43%	93.3%	80.3%
PAE205025	ABA101954	42%	90.2%	94.9%
PAE205025	BCE108996	44%	86.3%	100%
PAE205025	BFU105067	50%	88.6%	95.8%
PAE205025	BMA101787	48%	94.7%	79.4%
PAE205025	EBC103468	64%	92.5%	97.1%
PAE205025	ECO101566	64%	90.4%	95.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205025	KPN300303	67%	24.4%	89.2%
PAE205025	KPN306960	65%	90.0%	95.0%
PAE205025	MAV102901	39%	87.2%	92.3%
PAE205025	PRT105954	59%	89.3%	95.1%
PAE205025	PAE205025	100%	100%	100%
PAE205025	PPU102041	77%	89.5%	92.2%
PAE205025	PSY103709	73%	90.0%	94.3%
PAE205025	SPA101239	59%	69.6%	92.7%
PAE205025	STY104352	65%	88.4%	92.8%
PAE205025	STM104155	34%	85.6%	93.0%
PAE205025	SEP201779	20%	84.7%	95.1%
PAE205025	SMU100254	23%	85.4%	95.2%
PAE205025	SPN400875	23%	85.4%	94.7%
PAE205025	VCH101594	33%	84.5%	92.6%
PAE205025	YPS001759	61%	76.3%	89.8%
PAE205031	ABA100013	76%	4.6%	100%
PAE205031	ABA104125	68%	99.8%	99.1%
PAE205031	BAN104217	25%	79.9%	99.1%
PAE205031	BAN108345	28%	93.5%	92.7%
PAE205031	BFR101235	23%	7.8%	7.9%
PAE205031	BPT102078	42%	99.8%	74.8%
PAE205031	BCE113920	42%	98.6%	73.8%
PAE205031	BFU100198	39%	34.3%	99.8%
PAE205031	BMA104976	42%	98.6%	97.6%
PAE205031	CJU100007	42%	98.7%	97.2%
PAE205031	CAC101843	44%	99.1%	98.5%
PAE205031	EBC102948	61%	99.2%	98.1%
PAE205031	ECO103142	61%	99.2%	96.9%
PAE205031	KPN301995	61%	99.2%	98.9%
PAE205031	LMO100872	43%	98.8%	96.7%
PAE205031	MAV104920	43%	98.9%	97.8%
PAE205031	MBV101946	43%	98.9%	97.7%
PAE205031	MLP100042	43%	98.9%	97.8%
PAE205031	MTU203804	43%	98.9%	97.8%
PAE205031	PRT105261	58%	99.5%	99.2%
PAE205031	PAE205031	100%	100%	100%
PAE205031	PPU102045	86%	99.2%	100%
PAE205031	PSY103729	87%	100%	100%
PAE205031	SPA102415	55%	61.6%	100%
PAE205031	STY101531	60%	99.2%	98.9%
PAE205031	STM101808	61%	99.2%	98.9%
PAE205031	SAU800472	41%	97.9%	95.7%
PAE205031	SEP201790	44%	60.2%	95.3%
PAE205031	SHA102040	41%	98.9%	96.6%
PAE205031	SMU100695	42%	98.6%	95.7%
PAE205031	VCH102341	61%	99.2%	98.9%
PAE205031	YPS002267	61%	99.2%	95.7%
PAE205071	CJU100756	35%	83.8%	86.7%
PAE205071	CTR200650	26%	83.1%	84.6%
PAE205071	CBO101539	30%	77.4%	94.9%
PAE205071	PAE205071	100%	100%	100%
PAE205071	PPU109276	83%	100%	99.6%
PAE205071	SPN401250	29%	96.6%	94.5%
PAE205071	VCH103755	34%	92.9%	90.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205072	EBC100031	89%	8.9%	90.6%
PAE205072	EBC101605	77%	62.6%	99.8%
PAE205072	ECO101022	65%	93.7%	95.7%
PAE205072	KPN302507	70%	71.5%	98.3%
PAE205072	PAE205072	100%	100%	100%
PAE205072	PPU109277	77%	94.1%	99.4%
PAE205072	PSY103622	75%	82.1%	100%
PAE205072	SPA100038	83%	36.2%	100%
PAE205072	STY102457	64%	95.1%	97.4%
PAE205072	STM102277	64%	95.1%	97.4%
PAE205072	VCH101268	41%	64.2%	76.7%
PAE205083	BFU101680	30%	86.7%	78.0%
PAE205083	BFU101681	31%	86.7%	76.0%
PAE205083	BFU100476	31%	91.5%	100%
PAE205083	CJU100381	29%	51.9%	48.3%
PAE205083	KPN205131	42%	11.3%	57.9%
PAE205083	PAE205081	77%	72.0%	99.1%
PAE205083	PAE205082	76%	96.6%	97.6%
PAE205083	PAE205083	100%	100%	100%
PAE205188	ABA104674	41%	94.6%	97.9%
PAE205188	BAN105387	25%	88.2%	95.7%
PAE205188	BAN111644	27%	90.9%	94.8%
PAE205188	BPT101679	42%	94.9%	95.1%
PAE205188	BCE103411	42%	73.1%	100%
PAE205188	BFU102353	44%	97.0%	96.8%
PAE205188	BMA102197	42%	99.0%	99.7%
PAE205188	CAC102483	21%	85.9%	88.6%
PAE205188	CBO100978	22%	85.9%	88.5%
PAE205188	CDF103810	22%	89.9%	93.8%
PAE205188	EBC103852	40%	98.3%	98.3%
PAE205188	EFA201930	23%	89.9%	91.6%
PAE205188	ECO103324	41%	98.3%	98.3%
PAE205188	HIN100790	37%	94.3%	94.9%
PAE205188	KPN306988	41%	98.3%	98.3%
PAE205188	LPN100616	38%	95.6%	99.3%
PAE205188	LMO102519	23%	81.8%	85.4%
PAE205188	MCA101414	40%	94.6%	93.9%
PAE205188	NGO100527	41%	95.6%	92.7%
PAE205188	NME200412	42%	95.6%	85.4%
PAE205188	PMU101547	39%	94.3%	96.5%
PAE205188	PRT102606	43%	94.3%	95.9%
PAE205188	PAE205188	100%	100%	100%
PAE205188	PPU109985	65%	99.0%	98.0%
PAE205188	PSY103060	72%	98.7%	89.3%
PAE205188	SPA102217	41%	98.3%	98.3%
PAE205188	STY101381	40%	98.3%	99.0%
PAE205188	STM102899	41%	98.3%	98.3%
PAE205188	SAU800512	21%	94.3%	97.3%
PAE205188	SEP201845	20%	95.3%	98.3%
PAE205188	SHA100697	21%	96.0%	98.6%
PAE205188	SMU101402	25%	80.5%	84.1%
PAE205188	SPN401990	25%	89.6%	93.4%
PAE205188	SPY200090	23%	90.2%	94.1%
PAE205188	VCH102697	41%	95.3%	94.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205188	YPS001563	45%	100%	100%
PAE205194	ABA100490	33%	96.4%	88.0%
PAE205194	BPT100673	32%	78.8%	73.0%
PAE205194	BCE102445	34%	96.1%	100%
PAE205194	BFU105280	32%	96.4%	98.6%
PAE205194	BFU102148	33%	96.4%	94.0%
PAE205194	BMA104486	32%	96.1%	95.2%
PAE205194	EBC103848	32%	97.9%	98.6%
PAE205194	ECO103327	33%	97.9%	97.3%
PAE205194	KPN303187	34%	98.9%	98.0%
PAE205194	MCA102864	34%	80.4%	74.6%
PAE205194	PRT102837	30%	96.4%	96.6%
PAE205194	PAE205194	100%	100%	100%
PAE205194	PPU110005	79%	99.8%	99.8%
PAE205194	PSY103047	77%	95.7%	99.8%
PAE205194	SPA103964	34%	44.4%	100%
PAE205194	STY101367	32%	99.5%	98.9%
PAE205194	VCH102675	37%	78.1%	77.6%
PAE205194	YPS001561	32%	98.4%	97.8%
PAE205202	BFR101794	22%	97.4%	64.0%
PAE205202	BCE100458	28%	97.4%	45.5%
PAE205202	CJU101119	47%	97.2%	33.1%
PAE205202	CPN200065	44%	37.2%	98.6%
PAE205202	CTR200064	43%	35.8%	97.2%
PAE205202	CAC101744	26%	96.9%	45.8%
PAE205202	CDP101483	45%	95.7%	30.2%
PAE205202	EFA200337	31%	37.4%	4.7%
PAE205202	HIN101571	54%	99.5%	99.8%
PAE205202	HPY101470	38%	96.2%	29.3%
PAE205202	LPN101701	46%	98.6%	99.8%
PAE205202	MCA100847	39%	57.8%	15.5%
PAE205202	MBV101495	37%	57.8%	15.2%
PAE205202	MTU202247	37%	57.8%	15.2%
PAE205202	NGO100709	37%	56.9%	16.8%
PAE205202	NME201949	37%	56.9%	16.8%
PAE205202	PMU100249	54%	99.5%	99.8%
PAE205202	PAE205202	100%	100%	100%
PAE205202	VCH102406	56%	99.5%	96.5%
PAE205204	ABA105822	27%	67.8%	62.0%
PAE205204	BAN106815	41%	10.1%	22.9%
PAE205204	BPT104658	35%	39.0%	97.6%
PAE205204	BCE107366	43%	36.6%	81.7%
PAE205204	BFU112174	36%	44.7%	89.1%
PAE205204	BMA105025	43%	44.7%	96.2%
PAE205204	EBC101434	33%	18.3%	98.8%
PAE205204	ECO102988	29%	89.4%	89.4%
PAE205204	HIN101565	32%	44.7%	55.4%
PAE205204	HPY200007	35%	15.4%	10.2%
PAE205204	KPN300455	27%	30.6%	78.5%
PAE205204	KPN308756	31%	88.8%	88.9%
PAE205204	PMU100251	36%	46.5%	57.6%
PAE205204	PRT102174	28%	74.7%	99.3%
PAE205204	PAE205204	100%	100%	100%
PAE205204	PPU102160	63%	100%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205204	PSY103030	67%	100%	96.4%
PAE205204	SPA100425	26%	89.4%	89.4%
PAE205204	STY100794	28%	89.4%	89.4%
PAE205204	VCH102404	30%	85.9%	84.8%
PAE205204	YPS001980	28%	88.8%	88.7%
PAE205205	ABA104023	55%	96.1%	97.6%
PAE205205	EFA202145	33%	44.9%	81.4%
PAE205205	PAE205205	100%	100%	100%
PAE205205	PPU102169	56%	96.8%	98.2%
PAE205205	PSY103027	80%	100%	100%
PAE205205	SMU100546	33%	43.9%	81.5%
PAE205243	BPT104464	29%	34.3%	79.0%
PAE205243	BCE109471	28%	34.8%	79.1%
PAE205243	BFU113717	28%	32.5%	74.7%
PAE205243	BMA102384	27%	32.2%	74.3%
PAE205243	CJU101563	26%	9.2%	35.3%
PAE205243	EBC100769	28%	31.9%	73.3%
PAE205243	ECO100991	29%	22.4%	58.4%
PAE205243	KPN306701	27%	31.9%	73.6%
PAE205243	LMO100238	26%	45.5%	58.7%
PAE205243	MAV107152	27%	38.4%	80.8%
PAE205243	MBV104772	28%	17.4%	26.3%
PAE205243	MTU410483	28%	17.4%	25.1%
PAE205243	NGO101920	29%	32.2%	73.7%
PAE205243	NME200263	30%	32.2%	73.5%
PAE205243	PMU100453	28%	53.4%	54.7%
PAE205243	PAE205243	100%	100%	100%
PAE205243	PPU109970	69%	98.9%	97.5%
PAE205243	PSY101259	71%	99.1%	99.2%
PAE205243	SAU800345	26%	50.6%	54.6%
PAE205243	SHA101901	24%	54.0%	57.5%
PAE205243	TPA100962	30%	54.5%	80.4%
PAE205243	YPS002530	29%	53.6%	54.8%
PAE205294	PAE205294	100%	100%	100%
PAE205294	PPU103162	69%	99.4%	96.4%
PAE205294	PSY101172	70%	98.7%	95.2%
PAE205311	ABA103779	77%	98.7%	98.7%
PAE205311	BAN102385	40%	73.1%	88.7%
PAE205311	BFR100362	41%	96.2%	87.2%
PAE205311	BPT102361	78%	97.4%	97.4%
PAE205311	BBU100349	34%	87.2%	88.0%
PAE205311	BCE112085	76%	97.4%	98.7%
PAE205311	BFU101231	76%	97.4%	98.7%
PAE205311	BMA105211	76%	97.4%	98.7%
PAE205311	CJU100415	51%	79.5%	95.3%
PAE205311	CPN200424	38%	100%	100%
PAE205311	CTR200355	32%	96.2%	98.9%
PAE205311	CAC102140	34%	62.8%	77.8%
PAE205311	CBO103664	47%	43.6%	54.0%
PAE205311	CDF103637	34%	62.8%	79.0%
PAE205311	CDP102158	51%	98.7%	88.5%
PAE205311	EBC103419	77%	84.6%	100%
PAE205311	EFA201573	42%	60.3%	75.8%
PAE205311	EFM101167	44%	60.3%	75.8%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205311	ECO103559	82%	100%	100%
PAE205311	HIN100931	79%	98.7%	98.7%
PAE205311	HPY100486	39%	78.2%	96.8%
PAE205311	KPN301578	82%	100%	100%
PAE205311	LPN101298	71%	98.7%	98.7%
PAE205311	LMO101238	33%	73.1%	88.7%
PAE205311	MCA101216	84%	98.7%	98.7%
PAE205311	MAV102809	51%	98.7%	87.5%
PAE205311	MBV100101	50%	98.7%	98.7%
PAE205311	MTU202025	51%	98.7%	98.7%
PAE205311	MGE100436	35%	79.5%	95.3%
PAE205311	MPN100218	34%	78.2%	92.3%
PAE205311	NGO101643	73%	97.4%	98.7%
PAE205311	NME202003	73%	97.4%	98.7%
PAE205311	PMU101151	80%	98.7%	98.7%
PAE205311	PRT106105	83%	100%	100%
PAE205311	PAE205311	100%	100%	100%
PAE205311	PPU101950	90%	98.7%	98.7%
PAE205311	PSY101861	90%	97.4%	98.7%
PAE205311	SPA100825	83%	100%	100%
PAE205311	STY104568	83%	100%	100%
PAE205311	SAU801224	40%	73.1%	88.7%
PAE205311	SEP201507	38%	73.1%	88.7%
PAE205311	SHA100085	42%	73.1%	88.7%
PAE205311	SMU103046	55%	43.6%	54.8%
PAE205311	SPN400398	55%	43.6%	54.8%
PAE205311	SPY201454	44%	60.3%	75.8%
PAE205311	TPA100358	29%	98.7%	98.7%
PAE205311	UUR100210	39%	84.6%	100%
PAE205311	VCH100216	78%	97.4%	97.4%
PAE205311	YPS001450	78%	100%	100%
PAE205342	ABA105599	28%	94.6%	76.1%
PAE205342	PAE205342	100%	100%	100%
PAE205342	PPU102173	73%	94.6%	99.2%
PAE205342	PSY103222	66%	95.4%	68.1%
PAE205383	BFU109591	50%	99.7%	81.8%
PAE205383	PAE205383	100%	100%	100%
PAE205383	PPU100194	57%	96.5%	96.5%
PAE205388	BAN103070	37%	89.1%	98.6%
PAE205388	BPT101711	75%	92.2%	92.2%
PAE205388	BFU105977	79%	94.7%	88.6%
PAE205388	EFA201106	22%	42%	52.0%
PAE205388	KPN304983	74%	91.3%	98.3%
PAE205388	PAE205388	100%	100%	100%
PAE205388	PPU110258	79%	92.7%	95.0%
PAE205430	BFR101228	28%	66.7%	73.1%
PAE205430	BFR102053	26%	78.4%	90.0%
PAE205430	BPT100114	35%	71.0%	88.8%
PAE205430	BCE108025	25%	42.7%	72.3%
PAE205430	BFU101321	23%	25.9%	46.4%
PAE205430	BFU101014	25%	22.1%	41.3%
PAE205430	BFU106568	25%	26.7%	49.7%
PAE205430	CJU100863	28%	97.4%	98.0%
PAE205430	CDP101004	52%	73.0%	90.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205430	EFA200701	56%	72.8%	95.7%
PAE205430	EFM101204	34%	94.6%	92.0%
PAE205430	KPN305274	49%	98.0%	99.3%
PAE205430	LPN101609	59%	98.4%	99.2%
PAE205430	PMU101422	50%	99.3%	99.8%
PAE205430	PAE205430	100%	100%	100%
PAE205430	PPU103638	87%	99.0%	99.8%
PAE205430	PSY103300	86%	98.8%	99.7%
PAE205430	SPA103297	48%	96.0%	97.3%
PAE205430	STY101127	49%	98.0%	99.3%
PAE205430	STY104809	49%	98.0%	99.3%
PAE205430	SAU401674	37%	97.9%	100%
PAE205430	SEP200837	36%	97.9%	100%
PAE205430	SHA101707	36%	97.9%	100%
PAE205430	SMU100161	54%	72.5%	95.7%
PAE205430	SPY200896	54%	72.0%	94.0%
PAE205430	TPA100055	50%	97.9%	98.8%
PAE205430	UUR100490	27%	12.4%	10.8%
PAE205430	VCH100540	49%	98.8%	99.5%
PAE205431	BFR11613	51%	96.0%	90.1%
PAE205431	BFR11898	49%	98.7%	92.6%
PAE205431	CJU100965	52%	98.5%	97.7%
PAE205431	CDF100269	49%	93.8%	39.5%
PAE205431	EFM102508	50%	75.4%	99.7%
PAE205431	LPN100100	62%	99.4%	99.6%
PAE205431	MAV103158	47%	94.5%	39.9%
PAE205431	MBV103377	46%	94.5%	39.9%
PAE205431	MTU202929	46%	94.5%	39.9%
PAE205431	PAE205431	100%	100%	100%
PAE205431	PPU102301	92%	100%	100%
PAE205431	PSY103302	92%	76.4%	100%
PAE205431	SAU801526	54%	93.6%	98.4%
PAE205431	SEP200908	54%	93.6%	98.2%
PAE205431	SHA100988	54%	93.6%	98.4%
PAE205431	SMU100533	54%	92.1%	97.1%
PAE205438	BAN105739	30%	76.4%	75.0%
PAE205438	BAN105118	38%	98.4%	98.0%
PAE205438	BFR10181	39%	91.9%	97.1%
PAE205438	BPT100444	47%	99.2%	96.7%
PAE205438	BCE114095	48%	86.8%	100%
PAE205438	BFU114667	46%	99.0%	99.5%
PAE205438	BMA108211	45%	99.0%	99.5%
PAE205438	CJU101027	33%	96.6%	97.4%
PAE205438	CPN201081	38%	87.8%	99.5%
PAE205438	CTR200887	37%	87.9%	100%
PAE205438	CAC100746	37%	98.5%	99.2%
PAE205438	CBO101783	38%	99.0%	99.7%
PAE205438	CDF102800	37%	100%	99.7%
PAE205438	CDP100108	38%	99.0%	94.6%
PAE205438	EBC101111	67%	52.7%	98.5%
PAE205438	EFA201050	38%	99.0%	99.2%
PAE205438	EFM100885	39%	96.4%	99.2%
PAE205438	ECO103725	64%	99.6%	99.9%
PAE205438	HIN101161	55%	99.3%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205438	HPY101457	35%	95.9%	95.3%
PAE205438	KPN303539	63%	99.6%	99.6%
PAE205438	LPN100538	55%	73.1%	100%
PAE205438	LMO100030	39%	98.8%	99.0%
PAE205438	MAV107704	40%	99.0%	97.9%
PAE205438	MBV101967	41%	99.0%	97.7%
PAE205438	MLP100111	39%	99.9%	98.7%
PAE205438	MTU200940	41%	99.0%	97.7%
PAE205438	NGO100682	46%	99.0%	98.8%
PAE205438	NME200026	46%	99.0%	98.8%
PAE205438	PMU100411	57%	99.6%	99.7%
PAE205438	PRT102802	62%	99.3%	99.9%
PAE205438	PAE205438	100%	100%	100%
PAE205438	PPU102313	83%	99.7%	99.6%
PAE205438	PSY103224	84%	94.6%	100%
PAE205438	SPA101953	61%	71.2%	100%
PAE205438	STY102029	64%	99.6%	99.9%
PAE205438	STM101095	64%	99.6%	99.9%
PAE205438	SAU801905	38%	99.2%	99.5%
PAE205438	SEP200564	39%	99.0%	99.2%
PAE205438	SHA100319	39%	98.2%	100%
PAE205438	SMU100987	38%	98.8%	99.3%
PAE205438	SPN400995	38%	99.2%	99.6%
PAE205438	SPY200975	37%	98.8%	99.4%
PAE205438	UUR100506	31%	95.5%	96.0%
PAE205438	VCH100188	61%	99.3%	99.4%
PAE205438	YPS001400	64%	99.3%	99.6%
PAE205473	BAN109731	43%	38.4%	87.5%
PAE205473	BAN101242	43%	38.4%	88%
PAE205473	BFR104541	49%	99.8%	99.5%
PAE205473	BPT102405	78%	99.8%	99.8%
PAE205473	CAC102184	32%	47.9%	99.0%
PAE205473	CBO101470	34%	47.9%	95.5%
PAE205473	CDF103765	40%	37.2%	78.4%
PAE205473	EFA202052	27%	33.5%	57.0%
PAE205473	EFM101244	23%	33.0%	28.4%
PAE205473	ECO104218	25%	31.8%	75.8%
PAE205473	LPN103427	40%	99.8%	100%
PAE205473	MAV102021	21%	60.4%	86.6%
PAE205473	MLP100143	29%	34.2%	25.1%
PAE205473	PAE205473	100%	100%	100%
PAE205473	PPU102004	84%	100%	100%
PAE205473	PSY101204	82%	99.8%	98.8%
PAE205473	STY104427	24%	31.8%	75.8%
PAE205473	SAU603307	30%	22.7%	20.6%
PAE205473	SPN401045	25%	36.9%	28.2%
PAE205473	SPY200845	28%	30.3%	25.9%
PAE205485	BPT100924	33%	99.5%	97.9%
PAE205485	BFU105637	41%	100%	97.7%
PAE205485	BMA105160	40%	100%	81.1%
PAE205485	LPN103658	44%	100%	100%
PAE205485	MCA100137	43%	89.1%	85.2%
PAE205485	NGO101658	37%	97.5%	97.1%
PAE205485	NME200608	37%	97.5%	97.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205485	PAE205485	100%	100%	100%
PAE205485	PPU101987	76%	100%	100%
PAE205485	VCH100112	43%	97.5%	90.6%
PAE205485	YPS001996	40%	99.5%	98.1%
PAE205488	ABA100316	50%	99.6%	99.8%
PAE205488	BAN102267	38%	99.3%	99.4%
PAE205488	BFR100604	41%	99.5%	96.4%
PAE205488	BPT100256	53%	99.5%	99.6%
PAE205488	BBU100547	34%	99.5%	99.7%
PAE205488	BCE100474	56%	99.5%	98.8%
PAE205488	BFU105039	54%	99.5%	98.8%
PAE205488	BMA101951	55%	99.5%	98.8%
PAE205488	CJU100307	35%	99.2%	99.4%
PAE205488	CPN200133	34%	99.2%	99.5%
PAE205488	CTR200769	32%	99.2%	99.5%
PAE205488	CAC100704	36%	99.3%	99.5%
PAE205488	CBO101853	35%	99.9%	99.9%
PAE205488	CDF101827	35%	99.2%	99.3%
PAE205488	CDP100309	38%	99.3%	96.3%
PAE205488	EBC100966	60%	99.6%	100%
PAE205488	EFA200422	36%	99.9%	99.9%
PAE205488	EFM201199	37%	97.8%	99.0%
PAE205488	ECO103770	62%	99.8%	99.5%
PAE205488	HIN100836	58%	99.6%	99.2%
PAE205488	HPY101449	30%	99.8%	99.0%
PAE205488	KPN300745	64%	57.5%	99.2%
PAE205488	LPN100788	57%	99.6%	99.7%
PAE205488	LMO101445	37%	99.3%	99.5%
PAE205488	MCA101289	46%	99.9%	97.1%
PAE205488	MAV106573	37%	99.3%	96.3%
PAE205488	MBV101278	37%	99.3%	98.0%
PAE205488	MLP100854	36%	99.3%	97.9%
PAE205488	MTU201608	37%	99.3%	98.0%
PAE205488	MGE100267	31%	29.9%	94.2%
PAE205488	MPN100458	32%	29.6%	93.1%
PAE205488	NGO100131	52%	100%	100%
PAE205488	NME200430	52%	100%	100%
PAE205488	PMU101065	59%	100%	99.7%
PAE205488	PRT101197	60%	100%	97.9%
PAE205488	PAE205488	100%	100%	100%
PAE205488	PPU101981	80%	100%	100%
PAE205488	PSY103076	78%	100%	100%
PAE205488	SPA103897	60%	99.6%	99.2%
PAE205488	STY103444	60%	99.6%	99.2%
PAE205488	STM101492	60%	99.6%	99.2%
PAE205488	SAU801690	37%	99.3%	99.5%
PAE205488	SEP201683	36%	99.3%	99.5%
PAE205488	SHA100370	41%	54.3%	84.3%
PAE205488	SMU100004	38%	99.3%	99.2%
PAE205488	SPN400032	37%	99.9%	99.9%
PAE205488	SPY200140	38%	99.3%	99.2%
PAE205488	TPA100104	39%	8.8%	14.1%
PAE205488	UUR100418	31%	30.4%	96.5%
PAE205488	VCH100108	60%	99.6%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205488	YPS001307	63%	100%	99.7%
PAE205502	BFU103019	31%	85.7%	83.5%
PAE205502	EBC100672	29%	89.9%	87.4%
PAE205502	EFM201317	25%	82.9%	84.9%
PAE205502	ECO100985	30%	90.3%	85.7%
PAE205502	KPN303620	30%	94.0%	91.5%
PAE205502	MAV108289	26%	79.3%	83.3%
PAE205502	PAE205502	100%	100%	100%
PAE205502	PSY104192	33%	85.3%	85.3%
PAE205502	SEP200584	27%	40.6%	47.8%
PAE205558	ABA100896	59%	97.7%	98.1%
PAE205558	BAN110643	50%	12.2%	91.4%
PAE205558	BAN104645	40%	95.4%	99.6%
PAE205558	BAN109357	53%	67.2%	81.9%
PAE205558	BAN103821	51%	95.4%	87.1%
PAE205558	BFR102668	36%	56.9%	92.5%
PAE205558	BFR10388	48%	96.2%	98.8%
PAE205558	BPT100038	60%	95.8%	91.6%
PAE205558	BBU100430	35%	95.4%	98.4%
PAE205558	BCE105454	57%	97.3%	98.5%
PAE205558	BFU108805	57%	100%	99.6%
PAE205558	BMA104267	57%	97.3%	99.6%
PAE205558	CJU100089	44%	93.9%	98.1%
PAE205558	CPN201047	32%	94.7%	97.3%
PAE205558	CTR200860	34%	94.7%	97.3%
PAE205558	CAC101710	46%	95.8%	99.6%
PAE205558	CBO102512	48%	95.8%	99.6%
PAE205558	CDF103409	47%	95.4%	97.3%
PAE205558	CDP101650	50%	93.9%	74.0%
PAE205558	EBC100300	23%	63.7%	38.2%
PAE205558	EFA200738	48%	96.6%	100%
PAE205558	EFM202398	50%	96.6%	99.2%
PAE205558	ECO102019	26%	59.9%	20.2%
PAE205558	HPY101122	42%	95.8%	99.2%
PAE205558	LPN102841	61%	96.6%	98.4%
PAE205558	LMO100835	51%	95.4%	98.8%
PAE205558	MCA101114	52%	96.9%	98.5%
PAE205558	MAV102095	47%	95.4%	72.5%
PAE205558	MBV106263	47%	97.7%	75.5%
PAE205558	MLP101600	48%	96.2%	72.6%
PAE205558	MTU203863	47%	97.7%	75.5%
PAE205558	MGE100480	29%	73.7%	74.7%
PAE205558	MPN100154	29%	73.7%	74.4%
PAE205558	NGO100785	58%	97.3%	99.2%
PAE205558	NME200071	59%	97.3%	99.2%
PAE205558	PAE205558	100%	100%	100%
PAE205558	PPU102168	83%	99.2%	98.9%
PAE205558	PSY103431	82%	86.6%	98.7%
PAE205558	STY103561	25%	63.7%	22.0%
PAE205558	TPA100269	45%	96.2%	98.4%
PAE205558	VCH102734	61%	96.6%	98.4%
PAE205562	ABA100998	55%	98.7%	98.9%
PAE205562	BAN111462	30%	98.9%	99.4%
PAE205562	BAN104510	37%	98.9%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205562	BFR11527	35%	98.9%	99.4%
PAE205562	BPT102869	54%	98.5%	98.0%
PAE205562	BBU100178	29%	98.9%	98.3%
PAE205562	BCE104176	53%	99.1%	98.9%
PAE205562	BFU101038	54%	99.1%	98.9%
PAE205562	BMA106211	53%	99.1%	98.9%
PAE205562	CJU100886	33%	99.1%	99.8%
PAE205562	CPN201012	38%	98.9%	99.1%
PAE205562	CTR200070	39%	98.9%	99.1%
PAE205562	CAC100805	35%	98.9%	99.1%
PAE205562	CBO101103	34%	98.9%	99.1%
PAE205562	CDF100515	42%	66.2%	95.3%
PAE205562	CDF102182	36%	98.9%	98.5%
PAE205562	EBC104229	66%	98.9%	99.1%
PAE205562	EFA200716	37%	100%	100%
PAE205562	EFM200971	37%	98.9%	92.9%
PAE205562	ECO103627	66%	98.9%	99.1%
PAE205562	HIN100983	64%	98.9%	97.6%
PAE205562	HPY101431	34%	98.9%	97.2%
PAE205562	KPN302217	67%	98.9%	99.1%
PAE205562	LMO101370	38%	98.9%	99.3%
PAE205562	MCA103209	50%	98.7%	98.1%
PAE205562	MGE100008	28%	98.5%	98.6%
PAE205562	MPN100146	29%	98.9%	99.1%
PAE205562	NGO100139	55%	98.7%	98.7%
PAE205562	NME200423	55%	98.7%	98.7%
PAE205562	PMU101166	65%	98.9%	96.8%
PAE205562	PRT100712	64%	99.3%	99.6%
PAE205562	PAE205562	100%	100%	100%
PAE205562	PPU102190	82%	94.7%	100%
PAE205562	PSY103429	84%	100%	97.0%
PAE205562	SPA101312	60%	98.9%	99.1%
PAE205562	STY103943	66%	98.9%	99.1%
PAE205562	STM100544	66%	98.9%	99.1%
PAE205562	SAU802712	33%	98.9%	99.3%
PAE205562	SEP201292	33%	98.9%	99.3%
PAE205562	SHA101595	33%	98.9%	100%
PAE205562	SMU100160	36%	98.9%	98.7%
PAE205562	SPN400920	37%	98.9%	94.2%
PAE205562	SPY200813	37%	98.9%	98.5%
PAE205562	TPA100544	30%	99.6%	98.8%
PAE205562	UUR100016	30%	98.7%	99.5%
PAE205562	VCH100003	67%	99.1%	97.2%
PAE205562	YPS003478	66%	99.6%	99.8%
SAU100580	BFR11892	34%	42.9%	75.9%
SAU100580	BFR10375	25%	97.7%	97.7%
SAU100580	BCE102742	25%	53.9%	90.2%
SAU100580	BFU103170	29%	96.7%	98.8%
SAU100580	CJU101462	28%	98.3%	99.6%
SAU100580	CAC100937	22%	34.7%	35.4%
SAU100580	CDF101426	21%	61.6%	49.7%
SAU100580	CDF103132	23%	46.5%	19.9%
SAU100580	CDP101424	28%	96.3%	94.0%
SAU100580	EBC104005	28%	64.3%	54.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU100580	EFA102283	49%	95.4%	94.5%
SAU100580	EFM201652	39%	20.5%	86.6%
SAU100580	EFM201984	49%	95.4%	94.5%
SAU100580	ECO104238	25%	89.4%	83.2%
SAU100580	HIN101255	30%	64.7%	78.6%
SAU100580	HPY100837	41%	97.1%	96.6%
SAU100580	KPN204114	28%	64.3%	55.5%
SAU100580	MCA101426	27%	96.7%	97.4%
SAU100580	MAV103592	26%	47.7%	51.3%
SAU100580	MBV103538	26%	95.2%	95.4%
SAU100580	MTU202719	26%	95.2%	93.0%
SAU100580	MPN100494	38%	96.7%	97.6%
SAU100580	NGO100938	40%	97.7%	99.0%
SAU100580	NME200960	40%	97.3%	98.6%
SAU100580	PMU101537	26%	98.3%	98.6%
SAU100580	PRT102780	35%	94.2%	56.9%
SAU100580	PAE202733	29%	53.9%	41.7%
SAU100580	PPU108596	25%	63.7%	69.3%
SAU100580	PSY104041	27%	96.7%	89.6%
SAU100580	SPA101737	24%	67.2%	95.1%
SAU100580	SAU801808	98%	100%	100%
SAU100580	SAU800431	98%	100%	100%
SAU100580	SEP200633	76%	100%	100%
SAU100580	SMU100858	43%	97.9%	98.7%
SAU100580	SPN400790	26%	66.6%	70.8%
SAU100580	SPY201469	47%	97.3%	96.6%
SAU100580	UUR100097	42%	64.3%	99.4%
SAU100580	VCH101740	29%	52.1%	39.3%
SAU100905	BFR11892	34%	42.9%	75.9%
SAU100905	BFR10375	24%	97.7%	97.7%
SAU100905	BCE102742	25%	53.9%	90.2%
SAU100905	BFU103170	29%	96.7%	98.8%
SAU100905	CJU101462	28%	98.3%	99.6%
SAU100905	CAC100937	22%	34.7%	35.4%
SAU100905	CDF101426	21%	61.6%	49.7%
SAU100905	CDF103132	23%	46.5%	19.9%
SAU100905	CDP101424	28%	96.3%	94.0%
SAU100905	EBC104005	29%	62.5%	54.7%
SAU100905	EFA102283	49%	95.4%	94.5%
SAU100905	EFM201652	38%	20.5%	86.6%
SAU100905	EFM201984	49%	95.4%	94.5%
SAU100905	ECO104238	25%	89.4%	83.2%
SAU100905	HIN101255	31%	64.7%	78.6%
SAU100905	HPY100837	41%	97.1%	96.6%
SAU100905	KPN204114	29%	62.5%	55.5%
SAU100905	MCA101426	27%	96.7%	97.4%
SAU100905	MAV103592	26%	47.7%	51.3%
SAU100905	MBV103538	26%	95.2%	95.4%
SAU100905	MTU202719	26%	95.2%	93.0%
SAU100905	MPN100494	38%	96.7%	97.6%
SAU100905	NGO100938	40%	97.7%	99.0%
SAU100905	NME200960	40%	97.3%	98.6%
SAU100905	PMU101537	26%	98.3%	98.6%
SAU100905	PRT102780	36%	94.2%	56.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU100905	PAE202733	30%	53.9%	41.7%
SAU100905	PPU108596	26%	63.7%	69.3%
SAU100905	PSY104041	26%	96.7%	89.6%
SAU100905	SPA101737	25%	67.2%	95.1%
SAU100905	SAU801808	98%	100%	100%
SAU100905	SAU800431	98%	100%	100%
SAU100905	SEP200633	76%	100%	100%
SAU100905	SMU100858	43%	97.9%	98.7%
SAU100905	SPN400790	27%	66.6%	70.8%
SAU100905	SPY201469	47%	97.3%	96.6%
SAU100905	UUR100097	42%	64.3%	99.4%
SAU100905	VCH101740	29%	52.1%	39.3%
SAU102585	BMA109088	24%	20.8%	37.5%
SAU102585	CJU101103	22%	90.9%	55.0%
SAU102585	CPN200123	19%	16.8%	53.4%
SAU102585	CAC103413	20%	98.0%	72.3%
SAU102585	CDP100417	23%	21.5%	75.3%
SAU102585	CDP100776	23%	20.3%	87.8%
SAU102585	HIN101341	20%	70.2%	49.3%
SAU102585	MAV105291	22%	11.9%	50.2%
SAU102585	PPU109363	21%	42.3%	64.9%
SAU102585	PSY103697	21%	37.9%	64.6%
SAU102585	SPA101695	27%	13.3%	16.8%
SAU102585	SAU102585	100%	100%	100%
SAU102585	SEP102493	32%	66.6%	83.2%
SAU102585	SPN401804	33%	6.2%	40.3%
SAU102585	TPA100631	19%	30.9%	45.3%
SAU102585	YPS001764	21%	37.0%	37.4%
SAU103441	EFM100160	82%	100%	31.3%
SAU103441	SAU103441	100%	100%	100%
SAU103443	SAU103443	100%	100%	100%
SAU103735	SAU103735	100%	100%	100%
SAU103752	SAU103752	100%	100%	100%
SAU103780	EFA203644	32%	38.7%	44.6%
SAU103780	SAU103780	100%	100%	100%
SAU104011	SAU104011	100%	100%	100%
SAU104011	SPN200349	63%	100%	97.4%
SAU104011	SPY102409	54%	75%	93.7%
SAU200106	SAU200106	100%	100%	100%
SAU200237	LPN100228	49%	82.1%	33.2%
SAU200237	SAU200237	100%	100%	100%
SAU200237	SEP201396	67%	93.6%	43.8%
SAU200237	VCH101558	36%	81.2%	30.9%
SAU200260	BFR11892	34%	47.5%	55.3%
SAU200260	BFR10375	25%	97.3%	58.7%
SAU200260	BCE102742	31%	33.3%	31.7%
SAU200260	BFU103170	29%	96.5%	61.8%
SAU200260	CJU101462	28%	97.9%	62%
SAU200260	CAC100937	23%	32.7%	22.9%
SAU200260	CBO103378	24%	43.4%	31.8%
SAU200260	CDF101426	22%	39.8%	21.6%
SAU200260	CDF103132	22%	33.9%	9.6%
SAU200260	CDP101424	29%	96.5%	60%
SAU200260	EBC104005	29%	63.7%	36.9%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU200260	EFA102488	34%	96.5%	63.2%
SAU200260	EFA102283	46%	96.8%	63.6%
SAU200260	EFM201652	40%	31.3%	86.6%
SAU200260	EFM201984	46%	96.8%	63.6%
SAU200260	ECO104238	23%	86.7%	50.5%
SAU200260	HIN101255	30%	47.5%	36.6%
SAU200260	HPY100837	41%	97.3%	64.1%
SAU200260	KPN300684	25%	38.6%	51.6%
SAU200260	MCA101426	25%	96.5%	63.3%
SAU200260	MAV103592	24%	44.2%	32.8%
SAU200260	MBV103538	27%	96.5%	61.4%
SAU200260	MTU202719	27%	96.5%	59.8%
SAU200260	MPN100494	40%	98.8%	65.9%
SAU200260	NGO100938	43%	98.2%	65.8%
SAU200260	NME200960	43%	97.6%	65.4%
SAU200260	PMU101537	25%	99.4%	65.0%
SAU200260	PRT102780	33%	96.5%	36.8%
SAU200260	PAE202733	29%	43.7%	21.8%
SAU200260	PPU108596	33%	36.3%	27.4%
SAU200260	PSY104041	27%	96.5%	55.7%
SAU200260	SPA101737	23%	86.7%	81.4%
SAU200260	SAU800431	99%	100%	65.4%
SAU200260	SAU801808	99%	100%	65.4%
SAU200260	SEP200633	75%	100%	65.4%
SAU200260	SMU100858	47%	98.5%	64.4%
SAU200260	SPN400790	27%	40.4%	29.8%
SAU200260	SPY201469	45%	97.6%	64.1%
SAU200260	UUR100097	50%	47.2%	48.9%
SAU200260	VCH101740	27%	88.5%	39.7%
SAU200470	BFR12473	35%	66.9%	20.1%
SAU200470	BPT104697	38%	97.0%	29.5%
SAU200470	BFU109800	40%	97.0%	14.3%
SAU200470	BMA108112	40%	97.0%	14.6%
SAU200470	CPN200361	25%	58.0%	18.4%
SAU200470	CTR200307	25%	56.8%	18.0%
SAU200470	CAC100478	32%	64.5%	25.1%
SAU200470	CDP101743	52%	69.2%	22.0%
SAU200470	HIN101323	32%	50.9%	11.4%
SAU200470	KPN106560	47%	97.0%	72%
SAU200470	MAV101648	45%	97.0%	27.8%
SAU200470	MBV101535	48%	99.4%	33.7%
SAU200470	MTU202435	48%	99.4%	32.1%
SAU200470	PMU100542	22%	74.0%	22.1%
SAU200470	PAE202150	42%	97.6%	15.1%
SAU200470	PPU100890	41%	97.0%	14.9%
SAU200470	PSY102525	44%	97.0%	14.9%
SAU200470	STM100032	37%	58.6%	17.4%
SAU200470	SAU200470	100%	100%	100%
SAU200470	SPY101987	52%	99.4%	97.6%
SAU200535	BAN102851	22%	99.2%	41.4%
SAU200535	BAN105200	27%	99.2%	40.9%
SAU200535	BBU100829	26%	92.8%	81.9%
SAU200535	CAC102141	24%	99%	88.1%
SAU200535	CBO100905	22%	54.8%	2.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU200535	CBO101427	26%	94.2%	59.8%
SAU200535	CDF103294	25%	92.8%	41.3%
SAU200535	EBC104787	23%	51%	65.0%
SAU200535	EFA200866	30%	92.5%	35.9%
SAU200535	EFM202519	30%	92.8%	36.1%
SAU200535	ECO100389	21%	86%	30.5%
SAU200535	KPN207078	38%	16.2%	74.7%
SAU200535	LMO100865	28%	97.5%	40.6%
SAU200535	MCA102350	25%	91%	44.6%
SAU200535	PAE102229	25%	50.8%	45.7%
SAU200535	SPA101177	25%	56.2%	57.7%
SAU200535	SAU200535	100%	100%	100%
SAU200535	SEP202013	47%	97.5%	81.6%
SAU200535	SHA100868	43%	85.2%	100%
SAU200535	TPA100620	25%	96.2%	40.4%
SAU200535	VCH103246	33%	64.5%	25.0%
SAU200671	SAU200671	100%	100%	100%
SAU201288	ABA101027	35%	96.7%	39.5%
SAU201288	BAN105255	39%	75.4%	31.0%
SAU201288	BAN110745	65%	100%	37.9%
SAU201288	BFR11469	36%	92.6%	17.1%
SAU201288	BFU108548	38%	95.1%	38.0%
SAU201288	CPN200731	48%	91.8%	17.1%
SAU201288	CTR200608	48%	91.8%	17.1%
SAU201288	CBO101881	45%	96.7%	37.2%
SAU201288	CDF100258	41%	82.8%	32.9%
SAU201288	EBC103066	32%	40.2%	7.7%
SAU201288	EFA201271	51%	97.5%	18.5%
SAU201288	ECO100412	34%	40.2%	7.7%
SAU201288	KPN304382	29%	59.0%	22.3%
SAU201288	LMO101318	63%	100%	37.9%
SAU201288	MAV101952	47%	91.8%	33.6%
SAU201288	PAE202246	49%	97.5%	34.6%
SAU201288	SPA102152	44%	20.5%	8.3%
SAU201288	SPA103654	34%	40.2%	7.9%
SAU201288	STY100442	34%	40.2%	7.7%
SAU201288	SAU801516	95%	100%	37.9%
SAU201288	SEP200882	83%	100%	37.9%
SAU201288	SHA100929	82%	100%	48.4%
SAU201288	SMU100292	34%	97.5%	39.4%
SAU201288	SMU101478	39%	91.0%	34.1%
SAU201288	SPN401050	41%	94.3%	35.5%
SAU201288	SPY200776	39%	91.8%	35.5%
SAU201288	TPA100815	31%	50%	9.5%
SAU201383	SAU201383	100%	100%	100%
SAU201900	EFM102391	33%	95.2%	100%
SAU201900	SAU201900	100%	100%	100%
SAU202256	BFR101675	24%	92.2%	27.9%
SAU202256	BFR101280	27%	93.9%	34.3%
SAU202256	BFR105907	25%	86.1%	25%
SAU202256	BCE105474	22%	85.2%	38.3%
SAU202256	BMA100570	26%	87.8%	27.5%
SAU202256	PSY100258	31%	53.9%	30.9%
SAU202256	SAU202256	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU202256	TPA100952	23%	95.7%	28.5%
SAU202256	TPA100953	21%	95.7%	28.6%
SAU202256	VCH103501	31%	84.3%	12.8%
SAU202590	BFR102568	34%	98.1%	26.6%
SAU202590	BCE113546	36%	98.1%	26.1%
SAU202590	BFU115336	31%	97.4%	25.5%
SAU202590	BFU112943	33%	99.4%	26.9%
SAU202590	BFU108726	36%	98.1%	25.6%
SAU202590	BMA108339	34%	97.4%	26.6%
SAU202590	CDP100580	31%	98.1%	26.6%
SAU202590	EBC102312	40%	98.1%	27.1%
SAU202590	EFM100662	38%	98.7%	29.4%
SAU202590	ECO100847	40%	98.1%	26.9%
SAU202590	KPN301806	40%	98.1%	26.9%
SAU202590	LMO100148	62%	97.4%	26.6%
SAU202590	MAV104239	34%	100%	27.8%
SAU202590	PRT102417	38%	98.1%	26.8%
SAU202590	PAE202106	37%	99.4%	28.0%
SAU202590	PAE205292	39%	98.7%	27.1%
SAU202590	PSY105421	33%	97.4%	26.7%
SAU202590	STY102871	38%	98.1%	26.9%
SAU202590	SAU802539	98%	100%	27.1%
SAU202590	SEP201171	84%	100%	27.1%
SAU202590	SHA102199	82%	98.7%	26.8%
SAU202590	SPN400642	44%	91.0%	24.2%
SAU202590	YPS001186	40%	98.1%	26.9%
SAU202623	KPN102754	45%	98.4%	50%
SAU202623	PAE100477	39%	97.8%	63.2%
SAU202623	SAU202623	100%	100%	100%
SAU202623	SEP100915	80%	54.1%	100%
SAU202623	SHA100113	80%	97.8%	98.9%
SAU202623	SPN201072	54%	96.8%	53.6%
SAU202623	SPY100161	57%	84.3%	77.8%
SAU202690	NME301637	31%	30.5%	27.9%
SAU202690	SAU202690	100%	100%	100%
SAU202691	BFR105147	23%	92.8%	55.7%
SAU202691	BFR10527	25%	89.7%	67.2%
SAU202691	BCE100457	47%	92.8%	40.0%
SAU202691	BMA102057	48%	92.8%	32.0%
SAU202691	CJU100760	43%	100%	40.8%
SAU202691	CPN201105	28%	71.1%	82.4%
SAU202691	CTR200906	32%	43.3%	59.6%
SAU202691	CAC101806	53%	99.0%	42.1%
SAU202691	EBC104247	49%	93.8%	40.1%
SAU202691	ECO103651	51%	95.4%	40.8%
SAU202691	HPY100675	42%	100%	40.4%
SAU202691	KPN201741	49%	93.8%	40.0%
SAU202691	LPN103319	40%	93.8%	43.1%
SAU202691	MAV102216	46%	99.0%	39.2%
SAU202691	MLP100180	43%	99.0%	39.0%
SAU202691	MTU201007	44%	99.0%	38.8%
SAU202691	NME100470	49%	92.8%	38.4%
SAU202691	PRT104690	46%	95.4%	40.7%
SAU202691	PPU110920	50%	95.9%	46.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU202691	PSY103456	51%	95.9%	41.1%
SAU202691	STY103862	48%	97.9%	40.6%
SAU202691	STM103592	25%	89.7%	33.1%
SAU202691	SAU202691	100%	100%	100%
SAU203433	SAU203433	100%	100%	100%
SAU203500	SAU203500	100%	100%	100%
SAU203732	SAU203732	100%	100%	100%
SAU203799	SAU203799	100%	100%	100%
SAU300404	BFR100550	21%	89.9%	97.5%
SAU300404	BBU100032	26%	12.9%	26.7%
SAU300404	CJU100903	29%	9.3%	13.1%
SAU300404	CAC101721	25%	11.3%	34.4%
SAU300404	SAU300404	100%	100%	100%
SAU300404	SEP201215	21%	21.9%	40.9%
SAU300588	BAN106848	32%	74.3%	77.3%
SAU300588	BAN110265	31%	80.2%	77.5%
SAU300588	SAU300588	100%	100%	100%
SAU300588	SPY103251	26%	77.2%	77.7%
SAU300619	CBO102022	25%	33.0%	27.0%
SAU300619	CDP100884	32%	99.1%	39.2%
SAU300619	HPY101335	23%	33.0%	27.3%
SAU300619	HPY100661	37%	96.9%	63.0%
SAU300619	MBV102520	35%	98.8%	38.8%
SAU300619	MTU201987	44%	9.7%	59.6%
SAU300619	PSY100059	35%	99.1%	38.3%
SAU300619	SAU300619	100%	100%	100%
SAU300619	SHA102843	35%	21.9%	97.7%
SAU300619	SMU101068	25%	13.8%	7.0%
SAU300619	SPY101451	21%	13.1%	61.4%
SAU302611	BAN102481	77%	100%	96.3%
SAU302611	BAN103905	77%	100%	96.3%
SAU302611	BAN105988	77%	100%	96.3%
SAU302611	BAN106606	77%	100%	96.3%
SAU302611	BAN111727	77%	100%	96.3%
SAU302611	BAN102671	77%	100%	96.3%
SAU302611	BAN107521	77%	100%	96.3%
SAU302611	BPT103051	47%	100%	96.3%
SAU302611	BPT102315	47%	100%	96.3%
SAU302611	BPT101460	47%	100%	96.3%
SAU302611	BCE113336	48%	93.8%	96.1%
SAU302611	BMA101766	50%	93.8%	96.1%
SAU302611	BMA103598	50%	93.8%	96.1%
SAU302611	CTR101134	43%	43.4%	95%
SAU302611	CTR101070	43%	43.4%	95%
SAU302611	CDF100373	59%	98.4%	96.2%
SAU302611	CDF100066	62%	100%	97.7%
SAU302611	CDF100273	62%	100%	97.7%
SAU302611	CDF100354	62%	100%	97.7%
SAU302611	CDP100751	50%	95.3%	92.0%
SAU302611	CDP100007	50%	95.3%	92.0%
SAU302611	CDP101023	50%	95.3%	92.0%
SAU302611	CDP101511	50%	95.3%	92.0%
SAU302611	EBC101181	50%	85.3%	94.9%
SAU302611	EFA203228	81%	100%	96.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU302611	EFA201544	81%	100%	96.3%
SAU302611	EFA202897	81%	100%	96.3%
SAU302611	EFM102312	84%	100%	96.3%
SAU302611	KPN301087	51%	100%	97.8%
SAU302611	LPN100168	46%	96.9%	100%
SAU302611	MBV100204	50%	97.7%	94.2%
SAU302611	MTU403379	50%	93.0%	92.5%
SAU302611	NGO100418	51%	92.2%	98.4%
SAU302611	NGO101758	55%	92.2%	98.4%
SAU302611	NGO100495	55%	92.2%	98.4%
SAU302611	NGO101930	55%	92.2%	98.4%
SAU302611	PRT103616	48%	100%	97.8%
SAU302611	PRT103569	48%	100%	97.8%
SAU302611	PPU112249	46%	100%	97.8%
SAU302611	PPU100404	46%	100%	97.8%
SAU302611	PPU112128	46%	100%	97.8%
SAU302611	PPU109060	46%	100%	97.8%
SAU302611	PPU107690	46%	100%	97.8%
SAU302611	PPU112220	46%	100%	97.8%
SAU302611	PPU106995	47%	100%	97.8%
SAU302611	SPA103851	51%	100%	97.8%
SAU302611	SAU302613	100%	100%	100%
SAU302611	SAU302611	100%	100%	100%
SAU302611	SAU302882	99%	100%	100%
SAU302611	SAU302873	100%	100%	100%
SAU302611	SAU300286	100%	100%	100%
SAU302611	SEP201307	99%	100%	100%
SAU302611	SEP201974	99%	100%	96.3%
SAU302611	SEP201810	99%	100%	100%
SAU302611	SEP201853	99%	100%	100%
SAU302611	SEP201858	99%	100%	100%
SAU302611	SEP200480	99%	100%	100%
SAU302611	SHA102654	98%	100%	96.3%
SAU302611	SMU101717	68%	100%	97.7%
SAU302611	SMU100578	68%	100%	97.7%
SAU302611	SMU101779	68%	100%	97.7%
SAU302611	SMU101966	68%	100%	97.7%
SAU302611	SMU102028	68%	100%	97.7%
SAU302611	SPY103747	69%	100%	97.7%
SAU302622	SAU302622	100%	100%	100%
SAU302699	ABA101843	62%	58.4%	97.7%
SAU302699	BAN109136	87%	42.6%	100%
SAU302699	BAN111488	84%	61.7%	85.7%
SAU302699	BAN113011	73%	83.3%	96.1%
SAU302699	BAN112567	67%	93.8%	93.7%
SAU302699	BAN108734	73%	83.3%	96.1%
SAU302699	BAN100702	73%	83.3%	96.1%
SAU302699	BAN100392	73%	83.3%	96.1%
SAU302699	BAN102919	73%	83.3%	96.1%
SAU302699	BAN112212	73%	83.3%	96.1%
SAU302699	BAN103103	73%	83.3%	96.1%
SAU302699	BAN107063	73%	83.3%	96.1%
SAU302699	BPT103049	60%	60.8%	99.2%
SAU302699	BPT102318	60%	60.8%	99.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU302699	BPT101457	60%	60.8%	99.2%
SAU302699	BCE107431	62%	61.2%	67.7%
SAU302699	BMA103350	62%	61.2%	67.7%
SAU302699	CTR100922	70%	27.3%	36.8%
SAU302699	CTR100972	70%	27.3%	36.8%
SAU302699	CBO101216	66%	71.8%	100%
SAU302699	CBO103473	62%	85.2%	76.7%
SAU302699	CBO102314	62%	85.2%	76.7%
SAU302699	CDF100374	70%	71.8%	99.3%
SAU302699	CDF100272	70%	71.8%	99.3%
SAU302699	CDF100356	70%	71.8%	99.3%
SAU302699	EFA202940	80%	71.8%	98.7%
SAU302699	EFA200232	80%	71.8%	98.7%
SAU302699	EFA203247	80%	71.8%	98.7%
SAU302699	EFM102283	78%	71.8%	99.3%
SAU302699	KPN301088	59%	69.4%	100%
SAU302699	LPN102537	64%	68.9%	69.6%
SAU302699	MCA101987	63%	58.4%	97.7%
SAU302699	NGO100485	56%	78.0%	81.0%
SAU302699	NGO101739	60%	78.0%	80.9%
SAU302699	NGO100416	60%	78.0%	80.9%
SAU302699	NGO101928	60%	78.0%	80.9%
SAU302699	NME102279	56%	78.0%	81.4%
SAU302699	PAE106765	53%	85.2%	83.6%
SAU302699	PPU102360	64%	66.0%	94.1%
SAU302699	PPU100405	64%	66.0%	94.1%
SAU302699	PPU109021	64%	66.0%	94.1%
SAU302699	PPU106972	64%	66.0%	94.1%
SAU302699	PPU102859	64%	66.0%	94.1%
SAU302699	PPU112386	64%	66.0%	94.1%
SAU302699	PPU110948	64%	66.0%	94.1%
SAU302699	PSY106900	64%	64.1%	100%
SAU302699	PSY107681	64%	64.1%	100%
SAU302699	PSY108788	64%	64.1%	100%
SAU302699	SPA103852	61%	63.6%	100%
SAU302699	SAU301433	100%	100%	100%
SAU302699	SAU302699	100%	100%	100%
SAU302699	SAU302746	99%	100%	100%
SAU302699	SAU300348	99%	100%	100%
SAU302699	SAU302851	99%	100%	100%
SAU302699	SEP201306	96%	76.6%	76.4%
SAU302699	SEP201972	96%	76.6%	76.4%
SAU302699	SEP201811	96%	76.6%	76.4%
SAU302699	SEP201854	96%	76.6%	76.4%
SAU302699	SEP201859	96%	76.6%	76.4%
SAU302699	SEP200478	96%	76.6%	76.4%
SAU302699	SHA102575	98%	71.8%	100%
SAU302699	SMU101810	79%	62.7%	86%
SAU302699	SMU100577	79%	62.7%	86%
SAU302699	SMU102074	79%	62.7%	86%
SAU302699	SMU101683	79%	62.7%	86%
SAU302699	SMU101835	79%	62.7%	86%
SAU302699	SPN102801	83%	62.2%	85.2%
SAU302699	SPY103387	77%	71.8%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU302737	SAU302737	100%	100%	100%
SAU302746	ABA101843	62%	58.4%	97.7%
SAU302746	BAN109136	87%	42.6%	100%
SAU302746	BAN111488	83%	61.7%	85.7%
SAU302746	BAN113011	72%	83.3%	96.1%
SAU302746	BAN112567	66%	93.8%	93.7%
SAU302746	BAN108734	72%	83.3%	96.1%
SAU302746	BAN100702	72%	83.3%	96.1%
SAU302746	BAN100392	72%	83.3%	96.1%
SAU302746	BAN102919	72%	83.3%	96.1%
SAU302746	BAN112212	72%	83.3%	96.1%
SAU302746	BAN103103	72%	83.3%	96.1%
SAU302746	BAN107063	72%	83.3%	96.1%
SAU302746	BPT103049	59%	60.8%	99.2%
SAU302746	BPT102318	59%	60.8%	99.2%
SAU302746	BPT101457	59%	60.8%	99.2%
SAU302746	BCE107431	61%	61.2%	67.7%
SAU302746	BMA103350	61%	61.2%	67.7%
SAU302746	CTR100922	70%	27.3%	36.8%
SAU302746	CTR100972	70%	27.3%	36.8%
SAU302746	CBO101216	65%	71.8%	100%
SAU302746	CBO103473	61%	85.2%	76.7%
SAU302746	CBO102314	61%	85.2%	76.7%
SAU302746	CDF100374	70%	71.8%	99.3%
SAU302746	CDF100272	70%	71.8%	99.3%
SAU302746	CDF100356	70%	71.8%	99.3%
SAU302746	EFA202940	79%	71.8%	98.7%
SAU302746	EFA200232	79%	71.8%	98.7%
SAU302746	EFA203247	79%	71.8%	98.7%
SAU302746	EFM102283	78%	71.8%	99.3%
SAU302746	KPN301088	58%	69.4%	100%
SAU302746	LPN102537	63%	68.9%	69.6%
SAU302746	MCA101987	62%	58.4%	97.7%
SAU302746	NGO100485	56%	78.0%	81.0%
SAU302746	NGO101739	60%	78.0%	80.9%
SAU302746	NGO100416	60%	78.0%	80.9%
SAU302746	NGO101928	60%	78.0%	80.9%
SAU302746	NME102279	56%	78.0%	81.4%
SAU302746	PAE106765	58%	75.1%	75.5%
SAU302746	PPU102360	63%	66.0%	94.1%
SAU302746	PPU100405	63%	66.0%	94.1%
SAU302746	PPU109021	63%	66.0%	94.1%
SAU302746	PPU106972	63%	66.0%	94.1%
SAU302746	PPU102859	63%	66.0%	94.1%
SAU302746	PPU112386	63%	66.0%	94.1%
SAU302746	PPU110948	63%	66.0%	94.1%
SAU302746	PSY106900	64%	64.1%	100%
SAU302746	PSY107681	64%	64.1%	100%
SAU302746	PSY108788	64%	64.1%	100%
SAU302746	SPA103852	60%	63.6%	100%
SAU302746	SAU300348	99%	100%	100%
SAU302746	SAU302746	100%	100%	100%
SAU302746	SAU301433	99%	100%	100%
SAU302746	SAU302699	99%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU302746	SAU302851	99%	100%	100%
SAU302746	SEP201306	95%	76.6%	76.4%
SAU302746	SEP201972	95%	76.6%	76.4%
SAU302746	SEP201811	95%	76.6%	76.4%
SAU302746	SEP201854	95%	76.6%	76.4%
SAU302746	SEP201859	95%	76.6%	76.4%
SAU302746	SEP200478	95%	76.6%	76.4%
SAU302746	SHA102575	98%	71.8%	100%
SAU302746	SMU101810	78%	62.7%	86%
SAU302746	SMU100577	78%	62.7%	86%
SAU302746	SMU102074	78%	62.7%	86%
SAU302746	SMU101683	78%	62.7%	86%
SAU302746	SMU101835	78%	62.7%	86%
SAU302746	SPN102801	83%	62.2%	85.2%
SAU302746	SPY103387	76%	71.8%	99.3%
SAU302793	EFA104057	63%	100%	100%
SAU302793	EFM100700	68%	79.1%	100%
SAU302793	KPN104217	55%	98.7%	88.7%
SAU302793	MCA102759	51%	100%	100%
SAU302793	SAU302793	100%	100%	100%
SAU302793	SPY102377	51%	31.5%	75.8%
SAU302812	SAU302812	100%	100%	100%
SAU302882	BAN102481	76%	100%	96.3%
SAU302882	BAN103905	76%	100%	96.3%
SAU302882	BAN105988	76%	100%	96.3%
SAU302882	BAN106606	76%	100%	96.3%
SAU302882	BAN111727	76%	100%	96.3%
SAU302882	BAN102671	76%	100%	96.3%
SAU302882	BAN107521	76%	100%	96.3%
SAU302882	BPT103051	46%	100%	96.3%
SAU302882	BPT102315	46%	100%	96.3%
SAU302882	BPT101460	46%	100%	96.3%
SAU302882	BCE113336	47%	93.8%	96.1%
SAU302882	BMA101766	49%	93.8%	96.1%
SAU302882	BMA103598	49%	93.8%	96.1%
SAU302882	CTR101134	43%	43.4%	95%
SAU302882	CTR101070	43%	43.4%	95%
SAU302882	CDF100373	59%	98.4%	96.2%
SAU302882	CDF100066	61%	100%	97.7%
SAU302882	CDF100273	62%	100%	97.7%
SAU302882	CDF100354	62%	100%	97.7%
SAU302882	CDP100751	49%	95.3%	92.0%
SAU302882	CDP100007	49%	95.3%	92.0%
SAU302882	CDP101023	49%	95.3%	92.0%
SAU302882	CDP101511	49%	95.3%	92.0%
SAU302882	EBC101181	50%	85.3%	94.9%
SAU302882	EFA203228	80%	100%	96.3%
SAU302882	EFA201544	80%	100%	96.3%
SAU302882	EFA202897	80%	100%	96.3%
SAU302882	EFM102312	83%	100%	96.3%
SAU302882	KPN301087	50%	100%	97.8%
SAU302882	LPN100168	45%	96.9%	100%
SAU302882	MBV100204	49%	97.7%	94.2%
SAU302882	MTU403379	49%	93.0%	92.5%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU302882	NGO100418	50%	92.2%	98.4%
SAU302882	NGO101758	54%	92.2%	98.4%
SAU302882	NGO100495	54%	92.2%	98.4%
SAU302882	NGO101930	54%	92.2%	98.4%
SAU302882	PRT103616	48%	100%	97.8%
SAU302882	PRT103569	48%	100%	97.8%
SAU302882	PPU112249	45%	100%	97.8%
SAU302882	PPU100404	45%	100%	97.8%
SAU302882	PPU112128	45%	100%	97.8%
SAU302882	PPU109060	45%	100%	97.8%
SAU302882	PPU107690	45%	100%	97.8%
SAU302882	PPU112220	45%	100%	97.8%
SAU302882	PPU106995	46%	100%	97.8%
SAU302882	SPA103851	50%	100%	97.8%
SAU302882	SAU302873	99%	100%	100%
SAU302882	SAU302882	100%	100%	100%
SAU302882	SAU302611	99%	100%	100%
SAU302882	SAU300286	99%	100%	100%
SAU302882	SAU302613	99%	100%	100%
SAU302882	SEP201307	98%	100%	100%
SAU302882	SEP201974	98%	100%	96.3%
SAU302882	SEP201810	98%	100%	100%
SAU302882	SEP201853	98%	100%	100%
SAU302882	SEP201858	98%	100%	100%
SAU302882	SEP200480	98%	100%	100%
SAU302882	SHA102654	97%	100%	96.3%
SAU302882	SMU101717	67%	100%	97.7%
SAU302882	SMU100578	67%	100%	97.7%
SAU302882	SMU101779	67%	100%	97.7%
SAU302882	SMU101966	67%	100%	97.7%
SAU302882	SMU102028	67%	100%	97.7%
SAU302882	SPY103747	68%	100%	97.7%
SAU302890	SAU302890	100%	100%	100%
SAU302892	ABA101252	27%	25.5%	27.6%
SAU302892	BCE100035	21%	50.7%	43.8%
SAU302892	BMA107767	23%	40.3%	20.1%
SAU302892	MPN100626	27%	17.8%	15.5%
SAU302892	SAU302892	100%	100%	100%
SAU302892	SEP200396	30%	46.4%	96.7%
SAU302892	SHA101424	23%	30.0%	1.6%
SAU302892	SHA101983	27%	46.4%	8.6%
SAU302892	SHA100633	30%	55.7%	99.1%
SAU302892	SPY100349	26%	37.7%	17.7%
SAU403191	SAU403191	100%	100%	100%
SAU501625	BFR11892	34%	42.9%	75.9%
SAU501625	BFR10375	24%	97.7%	97.7%
SAU501625	BCE102742	25%	53.9%	90.2%
SAU501625	BFU103170	28%	96.7%	98.8%
SAU501625	CJU101462	27%	98.3%	99.6%
SAU501625	CAC100937	22%	34.7%	35.4%
SAU501625	CBO103378	25%	68.1%	74.8%
SAU501625	CDF101426	21%	61.6%	49.7%
SAU501625	CDF103132	23%	46.5%	19.9%
SAU501625	CDP101424	28%	96.3%	94.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU501625	EBC104005	29%	62.5%	54.7%
SAU501625	EFA102283	49%	95.4%	94.5%
SAU501625	EFM201652	38%	20.5%	86.6%
SAU501625	EFM201984	49%	95.4%	94.5%
SAU501625	ECO104238	25%	89.4%	83.2%
SAU501625	HIN101255	31%	64.7%	78.6%
SAU501625	HPY100837	41%	97.1%	96.6%
SAU501625	KPN300684	25%	25.3%	51.6%
SAU501625	MCA101426	27%	96.7%	97.4%
SAU501625	MAV103592	24%	63.1%	68.5%
SAU501625	MBV103538	26%	95.2%	95.4%
SAU501625	MTU202719	26%	95.2%	93.0%
SAU501625	MPN100494	38%	96.7%	97.6%
SAU501625	NGO100938	40%	97.7%	99.0%
SAU501625	NME200960	40%	97.3%	98.6%
SAU501625	PMU101537	26%	98.3%	98.6%
SAU501625	PRT102780	36%	94.2%	56.9%
SAU501625	PAE202733	30%	53.9%	41.7%
SAU501625	PPU108596	26%	63.7%	69.3%
SAU501625	PSY104041	26%	96.7%	89.6%
SAU501625	SPA101737	25%	67.2%	95.1%
SAU501625	SAU801808	98%	100%	100%
SAU501625	SAU800431	98%	100%	100%
SAU501625	SEP200633	75%	100%	100%
SAU501625	SMU100858	43%	97.9%	98.7%
SAU501625	SPN400790	27%	66.6%	70.8%
SAU501625	SPY201469	48%	97.3%	96.6%
SAU501625	UUR100097	43%	64.3%	99.4%
SAU501625	VCH101740	29%	52.1%	39.3%
SAU502176	SAU502176	100%	100%	100%
SAU502208	SAU502208	100%	100%	100%
SAU502215	SAU502215	100%	100%	100%
SAU600582	BAN110758	80%	100%	100%
SAU600582	CTR100959	54%	61.4%	74.5%
SAU600582	CTR100991	54%	61.4%	74.5%
SAU600582	CDP100752	64%	100%	100%
SAU600582	CDP101757	64%	100%	100%
SAU600582	CDP101021	64%	100%	100%
SAU600582	CDP101514	64%	100%	100%
SAU600582	EBC103142	66%	100%	100%
SAU600582	EBC101895	66%	100%	100%
SAU600582	EFM101645	73%	52.6%	100%
SAU600582	KPN300934	68%	100%	67.9%
SAU600582	KPN300714	68%	100%	67.9%
SAU600582	KPN301086	68%	100%	67.9%
SAU600582	LPN102372	57%	70.2%	59.7%
SAU600582	LPN101257	57%	70.2%	59.7%
SAU600582	MBV100206	61%	100%	100%
SAU600582	MTU403382	61%	100%	100%
SAU600582	NGO101932	60%	96.5%	100%
SAU600582	NGO100498	60%	96.5%	100%
SAU600582	NGO100420	60%	96.5%	100%
SAU600582	NGO101761	60%	96.5%	100%
SAU600582	NME100672	60%	96.5%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU600582	PRT103309	67%	80.7%	100%
SAU600582	PRT101240	66%	100%	100%
SAU600582	PRT103323	66%	100%	100%
SAU600582	PRT105208	66%	100%	100%
SAU600582	SPA103850	68%	100%	67.9%
SAU600582	SPA100555	68%	100%	67.9%
SAU600582	SAU600582	100%	100%	100%
SAU600582	SEP201857	98%	100%	100%
SAU600582	SEP200482	98%	100%	100%
SAU600582	SEP201309	98%	100%	100%
SAU600582	SEP201976	98%	100%	100%
SAU600582	SEP201804	98%	100%	100%
SAU600582	SEP201852	98%	100%	100%
SAU600582	SHA101186	75%	100%	100%
SAU600582	SHA100138	97%	84.2%	100%
SAU600582	SHA101187	98%	100%	100%
SAU600582	SMU101951	73%	52.6%	100%
SAU600582	SMU101988	73%	52.6%	100%
SAU600582	SMU101640	73%	52.6%	100%
SAU600582	SMU101707	73%	52.6%	100%
SAU600582	SMU102015	73%	52.6%	100%
SAU600582	SPN103406	70%	52.6%	100%
SAU603460	BBU100679	23%	33.5%	30.5%
SAU603460	NGO101025	21%	24.5%	67.3%
SAU603460	PAE202974	21%	36.9%	22.8%
SAU603460	SAU603460	100%	100%	100%
SAU700396	CAC100049	33%	26.7%	17.6%
SAU700396	CDF103821	23%	53.1%	77.8%
SAU700396	SAU800433	40%	15.8%	7.0%
SAU700396	SAU800427	41%	26.4%	7.3%
SAU700396	SAU800428	41%	26.4%	7.3%
SAU700396	SAU800426	38%	25.7%	6.5%
SAU700396	SAU800429	33%	21.9%	0.9%
SAU700396	SAU801168	32%	38.4%	47.3%
SAU700396	SAU801167	24%	68.2%	80.1%
SAU700396	SAU801166	25%	67.1%	81.1%
SAU700396	SAU802011	34%	25.3%	32.5%
SAU700396	SAU800425	41%	25.7%	6.8%
SAU700396	SAU800422	36%	12.7%	10.6%
SAU700396	SAU800423	48%	73.6%	91.8%
SAU700396	SAU800424	55%	100%	100%
SAU700396	SPY103617	40%	25.7%	43.8%
SAU800001	ABA100983	41%	81.2%	79.3%
SAU800001	BAN112286	29%	21.0%	27.0%
SAU800001	BAN110545	59%	87.4%	90.8%
SAU800001	BAN102589	62%	97.6%	97.8%
SAU800001	BFR101484	31%	97.6%	95.6%
SAU800001	BPT100629	36%	98.9%	99.6%
SAU800001	BBU100436	34%	99.1%	98.1%
SAU800001	BCE108826	44%	79.9%	98.4%
SAU800001	BFU100017	45%	73.5%	96.8%
SAU800001	BMA102755	44%	81.7%	69.8%
SAU800001	CJU100001	35%	97.6%	97.7%
SAU800001	CPN200324	35%	99.1%	95.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800001	CTR200540	39%	77.9%	76.9%
SAU800001	CAC102789	57%	98.0%	97.5%
SAU800001	CBO101747	54%	98.5%	98.0%
SAU800001	CDF100209	62%	78.8%	98.9%
SAU800001	CDP100027	50%	74.2%	60.2%
SAU800001	EBC104357	44%	88.1%	93.7%
SAU800001	EFA200677	50%	98.0%	98.0%
SAU800001	EFM101245	52%	38.4%	100%
SAU800001	ECO103623	42%	97.4%	97.9%
SAU800001	HIN100974	38%	98.5%	98.7%
SAU800001	HPY101507	36%	73.3%	71.6%
SAU800001	KPN301146	41%	97.4%	98.1%
SAU800001	LPN101463	43%	87.9%	98.5%
SAU800001	LMO100513	60%	99.3%	98.2%
SAU800001	MCA100098	30%	99.3%	95.9%
SAU800001	MAV100561	49%	82.8%	76.0%
SAU800001	MBV103652	50%	81.9%	72.6%
SAU800001	MLP100001	52%	76.2%	66.0%
SAU800001	MTU200001	50%	81.9%	72.6%
SAU800001	MGE100479	29%	93.6%	94.7%
SAU800001	MPN100156	31%	72.0%	75.6%
SAU800001	NGO100049	44%	86.5%	81.7%
SAU800001	NME200512	47%	78.1%	68.7%
SAU800001	PMU101161	38%	97.4%	97.1%
SAU800001	PRT103054	37%	67.1%	98.2%
SAU800001	PAE200001	51%	72.0%	63.2%
SAU800001	PPU102202	51%	72.0%	64.2%
SAU800001	PSY103554	51%	72.0%	63.6%
SAU800001	SPA101587	51%	52.1%	97.5%
SAU800001	STY103948	42%	97.4%	97.9%
SAU800001	SAU800001	100%	100%	100%
SAU800001	SEP201279	84%	99.8%	99.8%
SAU800001	SHA102255	80%	99.8%	99.8%
SAU800001	SMU100027	43%	99.3%	99.3%
SAU800001	SPN400001	43%	99.6%	100%
SAU800001	SPY200001	41%	99.3%	99.3%
SAU800001	TPA100001	37%	98.5%	97.4%
SAU800001	UUR100001	25%	94.3%	94.1%
SAU800001	VCH100012	41%	97.4%	96.8%
SAU800001	YPS003458	42%	97.4%	97.8%
SAU800002	ABA100981	26%	99.2%	99.7%
SAU800002	BAN105678	38%	99.2%	100%
SAU800002	BAN102692	53%	99.7%	100%
SAU800002	BFR11213	21%	98.9%	98.9%
SAU800002	BPT100121	26%	90.2%	89.5%
SAU800002	BBU100437	22%	96.8%	97.9%
SAU800002	BCE108969	26%	97.9%	96.3%
SAU800002	BFU106132	28%	69.8%	69.0%
SAU800002	BMA103461	25%	97.9%	98.1%
SAU800002	CJU100002	19%	93.6%	93.8%
SAU800002	CPN200413	26%	99.7%	99.5%
SAU800002	CTR200341	26%	99.7%	99.5%
SAU800002	CAC102898	38%	99.2%	98.9%
SAU800002	CBO101151	36%	99.2%	96.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800002	CDF102599	37%	59.9%	85.1%
SAU800002	CDP100028	23%	99.2%	95.6%
SAU800002	EBC104358	26%	99.2%	99.7%
SAU800002	EFA200676	43%	99.5%	99.7%
SAU800002	EFM202471	43%	99.5%	99.7%
SAU800002	ECO103622	26%	99.2%	99.7%
SAU800002	HIN100973	27%	99.2%	99.7%
SAU800002	HPY100495	23%	92.0%	90.6%
SAU800002	KPN301147	27%	99.2%	99.7%
SAU800002	LPN100144	23%	99.5%	99.7%
SAU800002	LMO100012	51%	99.7%	100%
SAU800002	MCA101382	28%	99.2%	99.7%
SAU800002	MAV100562	26%	96.6%	90.0%
SAU800002	MBV104783	27%	96.6%	89.6%
SAU800002	MLP100002	28%	97.1%	90.5%
SAU800002	MTU200002	27%	96.6%	89.6%
SAU800002	MGE100001	21%	90.2%	94.8%
SAU800002	MPN100153	23%	95.5%	97.4%
SAU800002	NGO100051	24%	99.5%	99.7%
SAU800002	NME200513	25%	99.5%	99.7%
SAU800002	PMU101160	26%	99.2%	99.7%
SAU800002	PRT102209	26%	99.2%	99.7%
SAU800002	PAE200002	25%	99.2%	99.7%
SAU800002	PPU109143	26%	99.2%	99.7%
SAU800002	PSY103553	24%	99.2%	99.7%
SAU800002	SPA101586	26%	98.9%	99.7%
SAU800002	STY103962	26%	99.2%	99.7%
SAU800002	SAU800002	100%	100%	100%
SAU800002	SEP201278	93%	100%	100%
SAU800002	SHA102256	94%	100%	100%
SAU800002	SMU100028	37%	99.7%	99.7%
SAU800002	SPN400002	40%	99.7%	99.7%
SAU800002	SPY200002	39%	99.7%	99.7%
SAU800002	TPA100002	26%	99.5%	99.7%
SAU800002	UUR100077	22%	88.1%	87.3%
SAU800002	VCH100013	28%	99.2%	99.7%
SAU800002	YPS003454	26%	99.2%	99.7%
SAU800005	ABA100992	53%	99.1%	98.7%
SAU800005	BAN111688	49%	95.5%	98.3%
SAU800005	BAN103655	70%	98.1%	97.8%
SAU800005	BFR10422	54%	98.4%	98.6%
SAU800005	BPT100120	49%	92.7%	100%
SAU800005	BBU100435	53%	98.0%	98.9%
SAU800005	BCE109504	52%	98.4%	97.7%
SAU800005	BFU102072	51%	99.2%	99.9%
SAU800005	BMA101322	51%	98.1%	98.7%
SAU800005	CJU100003	54%	97.2%	98.7%
SAU800005	CPN200477	56%	97.2%	98.1%
SAU800005	CTR200455	56%	97.8%	99.0%
SAU800005	CAC101093	62%	97.8%	98.7%
SAU800005	CBO101275	62%	98.4%	99.2%
SAU800005	CDF100210	61%	97.8%	99.2%
SAU800005	CDP100030	53%	96.9%	97.2%
SAU800005	EBC104360	55%	98.3%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800005	EFA200674	66%	97.8%	97.7%
SAU800005	EFM200514	66%	99.8%	99.8%
SAU800005	ECO103620	55%	98.3%	99.8%
SAU800005	HIN100546	56%	99.2%	99.9%
SAU800005	HPY100496	50%	97.0%	98.7%
SAU800005	KPN301149	54%	64.1%	98.3%
SAU800005	LPN102764	58%	17.9%	95.9%
SAU800005	LMO100884	67%	98.4%	98.1%
SAU800005	MCA101384	53%	97.8%	97.8%
SAU800005	MAV100554	54%	97.2%	97.5%
SAU800005	MBV104294	52%	97.2%	92.2%
SAU800005	MLP100005	53%	97.2%	97.6%
SAU800005	MTU200005	52%	97.2%	92.2%
SAU800005	MGE100003	51%	98.3%	98.8%
SAU800005	MPN100151	52%	98.3%	98.8%
SAU800005	NGO100713	51%	98.1%	90.6%
SAU800005	NME200053	51%	98.1%	99.1%
SAU800005	PMU101476	56%	98.6%	99.5%
SAU800005	PRT102211	55%	98.3%	99.8%
SAU800005	PAE200004	55%	98.6%	99.5%
SAU800005	PPU109146	53%	98.9%	100%
SAU800005	PSY100091	54%	98.9%	100%
SAU800005	SPA101583	53%	85.6%	90.9%
SAU800005	STY103968	55%	98.3%	99.8%
SAU800005	SAU800005	100%	100%	100%
SAU800005	SEP201276	93%	99.8%	100%
SAU800005	SHA102259	90%	100%	99.8%
SAU800005	SMU100247	64%	97.8%	97.7%
SAU800005	SPN400715	64%	98.0%	98.1%
SAU800005	SPY200532	63%	97.8%	97.7%
SAU800005	TPA100996	55%	97.8%	99.2%
SAU800005	UUR100079	53%	99.2%	99.8%
SAU800005	VCH100015	53%	98.3%	99.8%
SAU800005	YPS003447	55%	98.3%	99.8%
SAU800006	ABA104823	47%	94.3%	99.1%
SAU800006	BAN112277	40%	84.0%	91.3%
SAU800006	BAN106794	66%	92.1%	99.0%
SAU800006	BFR11289	53%	93.4%	98.8%
SAU800006	BPT100185	48%	92.6%	96.6%
SAU800006	BBU100434	41%	90.0%	85.9%
SAU800006	BCE113319	49%	92.5%	76.0%
SAU800006	BFU109335	50%	90.6%	90.0%
SAU800006	BMA106049	47%	90.4%	98.7%
SAU800006	CJU100955	46%	91.1%	97.6%
SAU800006	CPN200478	43%	92.0%	98.6%
SAU800006	CTR200454	45%	91.7%	97.7%
SAU800006	CAC100854	56%	93.9%	99.8%
SAU800006	CDF100211	55%	90.2%	98.6%
SAU800006	CDP100031	47%	93.3%	96.6%
SAU800006	EBC102445	49%	94.2%	98.5%
SAU800006	EFA200672	60%	93.9%	100%
SAU800006	EFM200325	60%	92.7%	99.8%
SAU800006	ECO102189	49%	93.6%	98.3%
SAU800006	HIN101236	46%	92.7%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800006	HPY100692	49%	91.2%	97.8%
SAU800006	KPN302349	50%	92.1%	96.8%
SAU800006	LPN103370	49%	92.6%	98.7%
SAU800006	LMO101367	61%	94.8%	99.6%
SAU800006	MCA100796	48%	91.0%	98.2%
SAU800006	MAV100556	47%	92.8%	98.3%
SAU800006	MBV103646	47%	91.6%	97.4%
SAU800006	MLP100006	44%	0.2%	33.8%
SAU800006	MTU200006	47%	91.6%	97.4%
SAU800006	MGE100004	50%	80.9%	97.6%
SAU800006	MPN100150	51%	93.7%	98.1%
SAU800006	NGO101035	45%	92.9%	97.8%
SAU800006	NME201458	45%	92.9%	97.8%
SAU800006	PMU100841	47%	92.2%	97.4%
SAU800006	PRT101670	49%	92.0%	97.0%
SAU800006	PAE203166	45%	93.6%	98.8%
SAU800006	PPU108315	45%	95.7%	71.8%
SAU800006	PSY103131	44%	94.0%	98.8%
SAU800006	SPA102834	37%	62.5%	97.2%
SAU800006	STY100510	49%	94.2%	98.5%
SAU800006	SAU800006	100%	100%	100%
SAU800006	SEP201275	87%	100%	99.7%
SAU800006	SHA102260	85%	100%	99.7%
SAU800006	SMU100894	60%	91.1%	98.9%
SAU800006	SPN401098	60%	91.1%	98.5%
SAU800006	SPY200879	58%	92.1%	98.8%
SAU800006	TPA100005	45%	77.8%	97.4%
SAU800006	UUR100080	52%	91.7%	96.5%
SAU800006	VCH101239	49%	91.3%	96.9%
SAU800006	YPS000268	48%	95.6%	98.1%
SAU800008	ABA106047	40%	96.5%	96.1%
SAU800008	BAN100051	56%	95.9%	100%
SAU800008	BAN108783	63%	95.9%	96.4%
SAU800008	BFR11721	41%	96.5%	98.2%
SAU800008	BCE114401	36%	90.4%	92.4%
SAU800008	BFU100706	39%	95.7%	95.3%
SAU800008	BFU111994	40%	94.9%	95.3%
SAU800008	BMA100711	40%	96.1%	96.4%
SAU800008	EBC100806	40%	89.2%	98.9%
SAU800008	KPN300516	36%	14.5%	79.6%
SAU800008	KPN301798	39%	93.5%	94.3%
SAU800008	LPN102112	41%	93.9%	94.5%
SAU800008	MCA101941	41%	95.9%	95.4%
SAU800008	PAE205093	41%	96.5%	96.7%
SAU800008	PPU109294	40%	96.1%	96.1%
SAU800008	PSY101312	41%	96.9%	95.9%
SAU800008	SPA101434	33%	97.5%	98.2%
SAU800008	STY102310	39%	97.5%	98.2%
SAU800008	STM102069	39%	97.5%	98.2%
SAU800008	SAU800008	100%	100%	100%
SAU800008	SPY201596	47%	93.2%	92.2%
SAU800008	VCH101183	39%	95.7%	95.5%
SAU800008	YPS002690	39%	96.7%	96.7%
SAU800014	BAN103775	42%	91.3%	92%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800014	BAN112649	47%	98.2%	98.2%
SAU800014	BBU100618	23%	48.1%	93.3%
SAU800014	CAC101737	33%	98.0%	98.2%
SAU800014	CBO101283	34%	97.7%	97.9%
SAU800014	CDF102080	35%	97.6%	97.3%
SAU800014	EFA200659	37%	97.3%	97.6%
SAU800014	EFM102383	32%	13.3%	82.1%
SAU800014	EFM100456	35%	45.3%	84.4%
SAU800014	ECO204605	32%	16.6%	18.9%
SAU800014	LMO101408	46%	97.6%	97.9%
SAU800014	NGO100730	31%	10.4%	25.4%
SAU800014	SAU800014	100%	100%	100%
SAU800014	SEP201250	86%	100%	100%
SAU800014	SHA102268	86%	100%	99.1%
SAU800014	SMU101354	32%	97.6%	98.5%
SAU800014	SPN402007	32%	98.6%	99.4%
SAU800014	SPY201669	31%	94.8%	95.4%
SAU800014	TPA100432	25%	51.6%	91.9%
SAU800015	ABA101589	32%	100%	100%
SAU800015	BAN106894	52%	90.5%	100%
SAU800015	BAN102021	57%	100%	100%
SAU800015	BFR100594	30%	100%	100%
SAU800015	BPT101383	32%	96.6%	95.4%
SAU800015	BBU100112	31%	96.6%	82.7%
SAU800015	BCE105322	27%	98.6%	97.3%
SAU800015	BFU105903	32%	98.0%	90%
SAU800015	BMA104683	29%	98.6%	97.3%
SAU800015	CJU100620	40%	97.3%	97.3%
SAU800015	CPN200889	27%	95.9%	84.0%
SAU800015	CTR200181	25%	95.9%	85.0%
SAU800015	CAC102107	40%	96.6%	96.6%
SAU800015	CBO101031	36%	100%	100%
SAU800015	CDF103514	47%	100%	99.3%
SAU800015	CDP100781	35%	98.6%	98.7%
SAU800015	EBC103609	32%	100%	100%
SAU800015	EFA200658	54%	100%	100%
SAU800015	EFM100758	57%	100%	100%
SAU800015	ECO104093	32%	100%	100%
SAU800015	HIN100523	31%	100%	100%
SAU800015	HPY100509	34%	100%	99.3%
SAU800015	KPN300648	32%	100%	100%
SAU800015	LPN100854	31%	98.6%	98.0%
SAU800015	LMO101215	58%	100%	100%
SAU800015	MCA101347	32%	96.6%	89.9%
SAU800015	MAV101550	34%	100%	99.3%
SAU800015	MBV104721	32%	100%	99.3%
SAU800015	MLP101582	32%	98.6%	98.0%
SAU800015	MTU200056	32%	100%	99.3%
SAU800015	MGE100095	28%	96.6%	93.3%
SAU800015	MPN100600	40%	66.2%	65.1%
SAU800015	NGO100185	33%	98.0%	90%
SAU800015	NME201393	32%	98.6%	97.3%
SAU800015	PMU101177	31%	100%	100%
SAU800015	PRT102059	32%	81.8%	81.2%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800015	PAE204927	33%	100%	100%
SAU800015	PPU106686	34%	98.6%	98.6%
SAU800015	PSY101034	37%	98.6%	98.6%
SAU800015	SPA102210	31%	100%	100%
SAU800015	STY103815	31%	100%	100%
SAU800015	STM103622	32%	100%	100%
SAU800015	SAU800015	100%	100%	100%
SAU800015	SEP201248	89%	100%	100%
SAU800015	SHA102269	87%	100%	100%
SAU800015	SMU101352	44%	99.3%	99.3%
SAU800015	SPN402006	45%	99.3%	99.3%
SAU800015	SPY201668	44%	99.3%	99.3%
SAU800015	TPA100059	29%	96.6%	91.7%
SAU800015	UUR100557	32%	98.6%	97.2%
SAU800015	VCH100364	32%	100%	100%
SAU800015	YPS002201	30%	100%	99.3%
SAU800016	ABA101586	37%	96.1%	91.1%
SAU800016	BAN111855	35%	85.4%	93.3%
SAU800016	BAN105948	38%	95.5%	98.6%
SAU800016	BAN101294	51%	97.4%	96.7%
SAU800016	BAN104072	58%	97.4%	96.5%
SAU800016	BFR11917	39%	96.4%	85.4%
SAU800016	BPT101379	43%	95.5%	94.7%
SAU800016	BBU100111	33%	98.3%	98.9%
SAU800016	BCE102809	44%	95.5%	94.1%
SAU800016	BFU105906	45%	95.5%	93.9%
SAU800016	BMA103068	44%	95.5%	94.1%
SAU800016	CJU100524	34%	95.1%	95.6%
SAU800016	CPN200129	38%	95.5%	95.3%
SAU800016	CTR200773	37%	95.7%	94.7%
SAU800016	CAC101778	47%	97.6%	98.4%
SAU800016	CBO103493	46%	97.6%	98.4%
SAU800016	CDF103355	47%	95.9%	96.4%
SAU800016	CDP100780	39%	97.9%	87.0%
SAU800016	EBC104210	45%	95.5%	92.1%
SAU800016	EFA200657	54%	98.3%	98.7%
SAU800016	EFM100759	55%	98.3%	97.2%
SAU800016	ECO103946	44%	95.5%	91.9%
SAU800016	HIN101542	42%	96.1%	86.9%
SAU800016	HPY101343	34%	98.3%	95.7%
SAU800016	KPN306469	45%	95.5%	91.9%
SAU800016	LPN101135	45%	96.6%	94.8%
SAU800016	LMO102241	59%	100%	99.8%
SAU800016	MCA100313	37%	96.6%	86.9%
SAU800016	MAV101552	43%	4.1%	38.6%
SAU800016	MBV106229	36%	96.6%	97.3%
SAU800016	MLP101581	44%	4.1%	21.0%
SAU800016	MTU200058	36%	96.6%	97.3%
SAU800016	MGE100096	30%	89.7%	93.3%
SAU800016	MPN100599	28%	95.5%	94.5%
SAU800016	NGO101104	42%	96.6%	93.8%
SAU800016	NME201018	42%	96.6%	93.8%
SAU800016	PMU100412	41%	96.1%	93.8%
SAU800016	PRT101881	44%	95.5%	96.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800016	PAE204926	44%	96.1%	93.5%
SAU800016	PPU106689	44%	96.1%	92.9%
SAU800016	PSY101032	43%	96.1%	93.5%
SAU800016	SPA102883	45%	95.5%	91.9%
SAU800016	STY102408	37%	97.9%	97.1%
SAU800016	STY101949	45%	95.5%	91.9%
SAU800016	STM102807	45%	95.5%	91.9%
SAU800016	SAU800016	100%	100%	100%
SAU800016	SEP201246	96%	99.8%	99.8%
SAU800016	SHA102270	93%	99.8%	99.8%
SAU800016	SMU101349	51%	98.3%	98.7%
SAU800016	SPN402005	51%	99.4%	100%
SAU800016	SPY201667	50%	97.2%	97.1%
SAU800016	TPA100057	36%	95.5%	95.2%
SAU800016	UUR100556	29%	89.1%	91.6%
SAU800016	VCH100366	42%	95.5%	92.5%
SAU800016	YPS002809	44%	97.4%	94.7%
SAU800017	ABA106107	44%	98.8%	98.2%
SAU800017	BAN104023	62%	98.8%	98.6%
SAU800017	BAN101360	70%	100%	99.5%
SAU800017	BFR102108	44%	97.4%	97.4%
SAU800017	BPT103146	44%	98.8%	98.1%
SAU800017	BCE101676	45%	98.8%	96.2%
SAU800017	BFU102358	46%	98.8%	96.2%
SAU800017	BMA104986	45%	98.8%	96.2%
SAU800017	CJU101414	44%	98.1%	98.8%
SAU800017	CAC103277	54%	98.4%	98.6%
SAU800017	CBO102268	52%	99.8%	100%
SAU800017	CDF102916	50%	100%	99.1%
SAU800017	CDP101311	45%	98.4%	97.9%
SAU800017	EBC103623	46%	99.3%	95.5%
SAU800017	EFA200656	69%	100%	99.3%
SAU800017	EFM100567	71%	100%	97.7%
SAU800017	ECO104067	46%	99.3%	98.6%
SAU800017	HIN101599	46%	99.1%	98.4%
SAU800017	HPY100251	43%	98.1%	99.3%
SAU800017	KPN300264	53%	33.7%	83.8%
SAU800017	KPN302196	46%	99.3%	98.6%
SAU800017	LPN102500	44%	98.8%	98.4%
SAU800017	LMO101711	66%	100%	99.3%
SAU800017	MCA101104	47%	99.1%	98.4%
SAU800017	MAV103737	48%	99.8%	98.8%
SAU800017	MBV102172	47%	99.8%	98.8%
SAU800017	MLP100193	48%	98.4%	97.5%
SAU800017	MTU200356	47%	99.8%	98.8%
SAU800017	NGO100907	47%	98.6%	98.1%
SAU800017	NME200946	47%	98.6%	98.1%
SAU800017	PMU100938	45%	99.1%	98.4%
SAU800017	PRT105923	46%	99.1%	97.5%
SAU800017	PAE204933	46%	98.8%	98.4%
SAU800017	PPU112346	47%	98.8%	98.4%
SAU800017	PSY101050	46%	98.8%	98.4%
SAU800017	SPA101108	46%	84.3%	98.4%
SAU800017	STY103762	47%	99.3%	98.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800017	STM103540	47%	99.3%	98.6%
SAU800017	SAU800017	100%	100%	100%
SAU800017	SEP201244	92%	100%	100%
SAU800017	SHA102271	94%	92.5%	100%
SAU800017	SMU101546	67%	100%	96.8%
SAU800017	SPN400021	68%	100%	99.8%
SAU800017	SPY200117	69%	100%	99.3%
SAU800017	VCH102565	46%	98.1%	97.5%
SAU800017	YPS003531	46%	99.1%	98.4%
SAU800018	ABA101702	42%	95.3%	92.9%
SAU800018	BAN102017	66%	99.1%	99.1%
SAU800018	BAN108755	74%	99.1%	98.7%
SAU800018	BCE115095	42%	98.3%	84.9%
SAU800018	BFU109627	43%	98.3%	93.1%
SAU800018	BMA108791	38%	95.3%	92.6%
SAU800018	CJU101186	32%	95.7%	97.8%
SAU800018	CJU101152	37%	96.6%	98.7%
SAU800018	CBO101454	53%	95.3%	95.7%
SAU800018	CDF101977	43%	98.3%	100%
SAU800018	CDP100744	47%	94.9%	96.9%
SAU800018	EFA200733	70%	98.3%	98.7%
SAU800018	EFM200129	72%	98.3%	88.5%
SAU800018	HIN100864	37%	95.3%	95.3%
SAU800018	KPN302148	43%	96.6%	95.4%
SAU800018	LMO101754	75%	98.3%	97.9%
SAU800018	MAV103024	46%	96.2%	98.2%
SAU800018	MBV102356	46%	98.7%	99.6%
SAU800018	MLP100469	45%	96.6%	96.5%
SAU800018	MTU200489	46%	96.2%	98.2%
SAU800018	SAU800018	100%	100%	100%
SAU800018	SEP201243	97%	99.1%	97.5%
SAU800018	SHA101255	96%	100%	98.7%
SAU800018	SMU100506	64%	98.3%	99.6%
SAU800018	SPN401106	62%	97.9%	92.4%
SAU800018	SPY200378	63%	98.3%	99.6%
SAU800019	BAN110824	36%	99.8%	100%
SAU800019	BAN102960	47%	99.8%	100%
SAU800019	CPN200162	23%	56.7%	89.3%
SAU800019	CTR200741	22%	57.7%	95.2%
SAU800019	CAC103503	29%	96.2%	99.1%
SAU800019	EFA200731	42%	98.8%	98.5%
SAU800019	EFM202051	41%	98.7%	98.7%
SAU800019	ECO102177	22%	98.2%	98.0%
SAU800019	LPN101514	23%	59.0%	87.8%
SAU800019	LPN102152	34%	38.7%	76.6%
SAU800019	LMO102502	47%	99.8%	100%
SAU800019	MAV106497	35%	38.2%	45.8%
SAU800019	NGO101717	22%	67.9%	59.9%
SAU800019	NME200153	22%	67.9%	59.9%
SAU800019	PAE205479	29%	67.9%	70.3%
SAU800019	PPU102000	28%	66.6%	70.0%
SAU800019	PSY103050	28%	72.9%	75.6%
SAU800019	SAU800019	100%	100%	100%
SAU800019	SEP201242	91%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800019	SHA101256	87%	100%	99.8%
SAU800019	SMU100503	43%	64.0%	98.8%
SAU800019	SPN401105	41%	68.6%	96.0%
SAU800019	SPY200379	40%	67.6%	93.8%
SAU800019	VCH101329	29%	52.0%	25.6%
SAU800020	BAN113545	23%	94.3%	93.8%
SAU800020	EFA200729	21%	55.6%	82.9%
SAU800020	EFM201123	22%	97.1%	97.5%
SAU800020	LMO101615	23%	96.7%	98.0%
SAU800020	SAU800020	100%	100%	100%
SAU800020	SEP202519	70%	98.0%	100%
SAU800020	SHA102220	60%	100%	97.4%
SAU800023	ABA101054	25%	61.5%	86.7%
SAU800023	BAN104503	24%	63.9%	90.8%
SAU800023	BAN109818	24%	65.5%	95.0%
SAU800023	BAN100600	25%	63.9%	89.4%
SAU800023	BAN112588	26%	68.1%	95.5%
SAU800023	BFR104387	26%	62.1%	83.7%
SAU800023	CDF103778	31%	61.2%	71.5%
SAU800023	CDP100957	36%	6.3%	16.4%
SAU800023	EBC101030	26%	60.8%	90.8%
SAU800023	EFA200169	44%	67.9%	5.6%
SAU800023	ECO100471	27%	66.3%	94%
SAU800023	HIN100196	34%	17.1%	28.2%
SAU800023	KPN305776	28%	61.2%	87.9%
SAU800023	LPN103544	23%	61.7%	87.3%
SAU800023	LMO100759	22%	78.3%	77.2%
SAU800023	PMU101193	25%	63.7%	90.2%
SAU800023	PRT104827	28%	40.9%	85.5%
SAU800023	PPU103357	22%	64.5%	96.0%
SAU800023	SPA103024	27%	64.1%	99.2%
SAU800023	STY103100	27%	64.1%	92.1%
SAU800023	STM101988	27%	64.1%	92.1%
SAU800023	SAU800023	100%	100%	100%
SAU800023	SHA101061	51%	56.8%	76.8%
SAU800023	SMU101041	38%	83.3%	90.2%
SAU800023	SPY200647	23%	57.3%	66.9%
SAU800023	TPA100103	31%	61.3%	87.0%
SAU800023	VCH102141	29%	66.1%	91.9%
SAU800024	ABA104180	37%	100%	99.4%
SAU800024	BAN106733	64%	23.3%	92.5%
SAU800024	BAN110141	61%	100%	100%
SAU800024	BFR102319	34%	99.4%	98.7%
SAU800024	BPT100829	32%	100%	99.4%
SAU800024	BCE104653	34%	100%	99.4%
SAU800024	BFU107810	34%	100%	99.4%
SAU800024	BMA107260	34%	100%	99.4%
SAU800024	CJU100115	30%	100%	97.4%
SAU800024	CAC100551	56%	100%	100%
SAU800024	CBO102082	55%	100%	100%
SAU800024	CDF103247	57%	100%	100%
SAU800024	EBC100948	30%	100%	99.4%
SAU800024	EFA202056	60%	100%	100%
SAU800024	EFM201982	59%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800024	ECO100626	30%	100%	99.4%
SAU800024	HIN100032	32%	100%	99.4%
SAU800024	HPY100933	36%	40.9%	42.7%
SAU800024	KPN302693	30%	100%	99.4%
SAU800024	LPN100591	32%	100%	99.4%
SAU800024	LMO102329	61%	100%	100%
SAU800024	MCA103094	35%	100%	98.8%
SAU800024	NGO100062	33%	100%	99.4%
SAU800024	NME200389	33%	100%	99.4%
SAU800024	PMU101923	32%	100%	99.4%
SAU800024	PRT102879	29%	100%	99.4%
SAU800024	PAE204001	31%	100%	100%
SAU800024	PPU107574	31%	100%	100%
SAU800024	PSY105093	32%	100%	100%
SAU800024	SPA102528	27%	100%	99.4%
SAU800024	STY101458	31%	100%	99.4%
SAU800024	SAU800024	100%	100%	100%
SAU800024	SEP201224	91%	100%	100%
SAU800024	SHA100443	91%	58.5%	100%
SAU800024	SMU101420	52%	100%	100%
SAU800024	SPN402041	49%	100%	100%
SAU800024	SPY201694	43%	100%	100%
SAU800024	UUR100180	44%	100%	100%
SAU800024	VCH100935	31%	100%	99.4%
SAU800024	YPS001189	30%	100%	99.4%
SAU800089	ABA106085	29%	95.4%	94.1%
SAU800089	BAN101318	73%	96.6%	99.4%
SAU800089	BAN112435	76%	97.9%	97.6%
SAU800089	BFR104875	32%	39.3%	63.7%
SAU800089	BFR10738	32%	92.7%	95.4%
SAU800089	BPT102519	26%	93.9%	91.5%
SAU800089	BBU100736	36%	92.7%	93.4%
SAU800089	BCE104972	26%	66.5%	93.1%
SAU800089	BFU100162	25%	91.2%	90.3%
SAU800089	BMA104738	24%	94.5%	89.5%
SAU800089	CJU100112	27%	93.3%	96.8%
SAU800089	CPN201085	25%	96.6%	95.5%
SAU800089	CTR200013	25%	95.4%	95.2%
SAU800089	CAC100186	27%	91.8%	94.4%
SAU800089	CBO101987	27%	86.9%	88.9%
SAU800089	CDF101018	28%	91.8%	94.1%
SAU800089	CDP100474	27%	91.8%	82.8%
SAU800089	EBC104218	27%	75.6%	75.5%
SAU800089	EFA201439	69%	97.3%	98.5%
SAU800089	EFM201490	70%	97.3%	97.6%
SAU800089	ECO102099	27%	68.6%	72.4%
SAU800089	HIN100960	26%	92.1%	92.1%
SAU800089	HPY100715	26%	93.3%	92.1%
SAU800089	KPN309050	29%	75%	74.8%
SAU800089	LPN103541	29%	69.2%	81.7%
SAU800089	LMO100193	27%	93.9%	94.0%
SAU800089	MCA101168	26%	86.9%	90.1%
SAU800089	MCA101483	26%	91.8%	88.9%
SAU800089	MAV105445	28%	95.4%	86.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800089	MBV101887	27%	94.5%	85.7%
SAU800089	MLP101304	26%	77.4%	68.8%
SAU800089	MTU200817	27%	94.5%	83.0%
SAU800089	NGO101916	30%	71.3%	68.9%
SAU800089	NME201493	31%	71.3%	68.5%
SAU800089	PMU101087	28%	69.2%	66.2%
SAU800089	PRT101632	28%	65.9%	73%
SAU800089	PAE204847	28%	93.0%	92.5%
SAU800089	PPU103018	26%	94.2%	93.5%
SAU800089	PSY101826	27%	93.0%	91.1%
SAU800089	SPA103518	28%	73.8%	73.5%
SAU800089	STY104235	28%	68.6%	73.1%
SAU800089	STM102801	28%	73.8%	73.5%
SAU800089	SAU800089	100%	100%	100%
SAU800089	SEP200539	92%	97.9%	98.5%
SAU800089	SHA100223	87%	98.5%	100%
SAU800089	SMU101401	25%	89.6%	91.4%
SAU800089	SPN401991	26%	95.1%	96.7%
SAU800089	SPY200089	26%	91.5%	93.2%
SAU800089	TPA100970	23%	90.5%	90.6%
SAU800089	VCH101086	23%	93.9%	96.0%
SAU800089	YPS002805	28%	89.3%	86.7%
SAU800101	ABA100607	37%	13.8%	36.4%
SAU800101	BAN105723	37%	13.6%	35.9%
SAU800101	BAN106551	38%	13.6%	34.5%
SAU800101	BFR105453	33%	14.5%	37.5%
SAU800101	BPT102213	35%	12.5%	31.6%
SAU800101	BCE107905	34%	13.8%	43.5%
SAU800101	BFU110451	34%	13.3%	31.9%
SAU800101	BMA104183	30%	13.4%	34.0%
SAU800101	CJU100970	35%	11.4%	28.7%
SAU800101	CAC103561	25%	31.1%	82.7%
SAU800101	CBO103752	19%	93.2%	91.7%
SAU800101	CDF104394	31%	12.9%	33.6%
SAU800101	CDF104017	24%	21.7%	52.2%
SAU800101	CDF101185	24%	21.7%	90.6%
SAU800101	EBC107735	26%	30.3%	33.1%
SAU800101	EFA201221	24%	31.5%	81.0%
SAU800101	EFM201424	26%	31.4%	77.1%
SAU800101	ECO100064	21%	31.5%	80.8%
SAU800101	HIN101030	25%	16.4%	41.9%
SAU800101	HPY101335	20%	20.1%	20.5%
SAU800101	KPN302720	23%	75.0%	74.3%
SAU800101	LPN102930	34%	12.5%	34.6%
SAU800101	LMO102225	24%	99.1%	99.1%
SAU800101	MBV102878	26%	13.3%	37.3%
SAU800101	MTU203778	26%	13.3%	37.3%
SAU800101	NGO101394	27%	11.4%	28.6%
SAU800101	NME201642	25%	11.4%	28.2%
SAU800101	PMU101524	25%	20.5%	46.1%
SAU800101	PAE202335	29%	13.7%	33.9%
SAU800101	PPU101069	32%	12.8%	36.2%
SAU800101	PSY102550	34%	13.4%	33.2%
SAU800101	SPA101204	22%	31.5%	84.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800101	STY103330	29%	20.7%	52.3%
SAU800101	STM100965	22%	31.5%	84.0%
SAU800101	SAU800101	100%	100%	100%
SAU800101	SHA102705	31%	96.6%	97.2%
SAU800101	SPN401712	23%	31.0%	81.8%
SAU800101	VCH102965	23%	19.2%	40.8%
SAU800101	YPS000030	25%	18.3%	47.8%
SAU800106	BFU104263	42%	7.6%	64.3%
SAU800106	BFU101460	35%	21.3%	76.6%
SAU800106	BFU103016	39%	92.4%	91.3%
SAU800106	CBO100573	51%	99.2%	95.3%
SAU800106	EFA200735	61%	100%	100%
SAU800106	EFM200200	30%	85.6%	95.2%
SAU800106	HPY101230	32%	12.5%	20.9%
SAU800106	LMO101052	39%	88.7%	90.6%
SAU800106	SAU800106	100%	100%	100%
SAU800106	SEP202417	76%	100%	100%
SAU800106	SHA102491	81%	100%	100%
SAU800106	SMU101074	59%	100%	100%
SAU800106	SPY200337	60%	100%	100%
SAU800111	ABA103926	42%	13.6%	32.3%
SAU800111	BCE111873	27%	14.9%	56.0%
SAU800111	BCE105553	26%	28.7%	81.3%
SAU800111	BCE108028	33%	17.8%	50.9%
SAU800111	BCE103665	28%	20.4%	80.7%
SAU800111	BFU112738	32%	19.3%	17%
SAU800111	PPU108082	34%	12.2%	38.8%
SAU800111	SAU800111	100%	100%	100%
SAU800111	SAU802418	28%	49.8%	37.9%
SAU800111	YPS003752	27%	13.8%	40.1%
SAU800116	MTU200839	33%	91.4%	80.4%
SAU800116	PSY105386	38%	96.0%	43.7%
SAU800116	SAU800116	100%	100%	100%
SAU800117	BAN104255	28%	81.0%	83.4%
SAU800117	BAN112876	29%	81.0%	83.7%
SAU800117	BPT101971	22%	89.6%	92.4%
SAU800117	BCE105508	25%	72.9%	67.6%
SAU800117	BFU115722	25%	91.4%	91.0%
SAU800117	BMA100060	21%	36.6%	37.1%
SAU800117	CBO100830	24%	98.5%	100%
SAU800117	CDF100177	28%	97.0%	98.5%
SAU800117	EFA202411	30%	78.9%	82.9%
SAU800117	EFM200390	25%	83.6%	85.7%
SAU800117	LPN102879	25%	97.6%	98.1%
SAU800117	PAE204903	25%	69.9%	75.8%
SAU800117	PPU110483	25%	69.6%	74.3%
SAU800117	SAU800117	100%	100%	100%
SAU800117	SEP200076	27%	88.4%	92.4%
SAU800117	SHA101395	28%	95.5%	96.9%
SAU800117	YPS003420	24%	70.8%	75.1%
SAU800118	ABA105815	33%	76.9%	73.0%
SAU800118	SAU800118	100%	100%	100%
SAU800120	ABA104196	25%	85.3%	82.2%
SAU800120	BAN102511	23%	74.2%	74.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800120	BAN103093	26%	69.0%	96.5%
SAU800120	EBC100509	25%	44.1%	87.8%
SAU800120	KPN104635	24%	95.3%	97.0%
SAU800120	SAU800120	100%	100%	100%
SAU800122	BPT100949	33%	68.7%	100%
SAU800122	BCE103649	32%	68.0%	87.6%
SAU800122	BFU103146	30%	97.7%	94.8%
SAU800122	BMA104232	34%	75.3%	77.0%
SAU800122	EBC104066	28%	91.5%	91.8%
SAU800122	ECO103058	29%	91.5%	91.8%
SAU800122	KPN301969	28%	91.5%	91.8%
SAU800122	MAV103471	26%	79.9%	87.0%
SAU800122	MAV105384	28%	88.0%	90.2%
SAU800122	PMU101535	27%	92.3%	89.8%
SAU800122	PAE204125	26%	91.9%	88.8%
SAU800122	SPA103576	31%	88.8%	86.1%
SAU800122	STY100924	30%	91.5%	91.8%
SAU800122	STM102234	26%	78.8%	77.6%
SAU800122	SAU800122	100%	100%	100%
SAU800122	YPS001253	29%	59.1%	57.1%
SAU800123	BCE100467	34%	36.5%	64.0%
SAU800123	BFU107173	28%	95.2%	94.3%
SAU800123	SAU800123	100%	100%	100%
SAU800138	BAN109977	62%	91.8%	100%
SAU800138	BAN102250	64%	95.9%	95.1%
SAU800138	BFR12234	34%	72.3%	56.4%
SAU800138	BCE105592	55%	56.4%	96.1%
SAU800138	BFU103022	31%	68.6%	47.6%
SAU800138	BFU108762	30%	72.3%	50%
SAU800138	BMA104956	36%	89.5%	78.8%
SAU800138	CAC100384	63%	95.9%	98.6%
SAU800138	CBO100256	58%	96.4%	100%
SAU800138	CDF100310	48%	98.2%	97.7%
SAU800138	CDP101627	45%	94.5%	94.5%
SAU800138	EBC103572	33%	90.9%	82.6%
SAU800138	EFA202355	63%	96.8%	97.3%
SAU800138	EFM201549	62%	96.8%	97.3%
SAU800138	ECO104267	34%	90.9%	82.2%
SAU800138	HIN101089	55%	95.9%	94.2%
SAU800138	KPN308783	34%	93.6%	83.9%
SAU800138	LPN101764	31%	81.8%	72.8%
SAU800138	LMO101987	64%	96.8%	96.0%
SAU800138	MAV103921	45%	48.6%	96.6%
SAU800138	MBV102346	45%	94.5%	93.8%
SAU800138	MLP101461	42%	94.5%	93.8%
SAU800138	MTU200476	45%	94.5%	93.8%
SAU800138	MGE100050	44%	97.7%	96.0%
SAU800138	MPN100091	45%	97.3%	95.1%
SAU800138	PMU101343	54%	95.9%	94.2%
SAU800138	PRT101388	53%	97.7%	97.3%
SAU800138	PAE201382	28%	51.4%	20.5%
SAU800138	PSY100190	32%	76.8%	68.3%
SAU800138	SPA100057	35%	68.6%	81.4%
SAU800138	STY104584	33%	91.4%	80.8%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800138	STM100357	33%	90.9%	80.4%
SAU800138	SAU802137	97%	100%	100%
SAU800138	SAU800138	100%	100%	100%
SAU800138	SEP201938	77%	100%	100%
SAU800138	SHA101905	84%	100%	100%
SAU800138	SMU100919	62%	100%	100%
SAU800138	SPN400745	60%	100%	100%
SAU800138	SPY201436	45%	97.7%	96.0%
SAU800138	TPA100261	42%	96.4%	98.2%
SAU800138	UUR100592	46%	95.5%	97.7%
SAU800138	VCH102315	35%	84.5%	76.4%
SAU800138	YPS001140	52%	97.3%	96.0%
SAU800148	ABA100616	33%	47.5%	94.4%
SAU800148	BAN107893	46%	96.8%	98.6%
SAU800148	BAN104995	65%	98.8%	99.3%
SAU800148	BFR12137	34%	43.2%	91.4%
SAU800148	BPT102040	27%	43.5%	91.9%
SAU800148	BCE107083	28%	40.0%	83.9%
SAU800148	BFU103121	32%	50.9%	92.1%
SAU800148	BMA103231	35%	42.7%	90.8%
SAU800148	CAC102804	28%	33.3%	71.2%
SAU800148	CBO103735	49%	97.1%	97.0%
SAU800148	CDF100120	36%	16.9%	79.0%
SAU800148	CDF104127	39%	50.1%	93.3%
SAU800148	CDF102156	47%	99.2%	97.9%
SAU800148	CDF102241	50%	96.5%	95.6%
SAU800148	EBC104737	45%	53.6%	94.0%
SAU800148	EFA200386	73%	97.8%	98.0%
SAU800148	EFM202215	34%	43.5%	91.9%
SAU800148	ECO101212	48%	97.2%	95.8%
SAU800148	HIN101211	28%	21.7%	46.3%
SAU800148	KPN303514	44%	51.1%	93.6%
SAU800148	LPN100161	30%	42.8%	88.6%
SAU800148	LMO102418	64%	98.8%	99.3%
SAU800148	PMU101453	55%	97.2%	97.3%
SAU800148	PRT103270	50%	97.2%	96.3%
SAU800148	PAE201989	28%	42.0%	87.3%
SAU800148	PPU105663	31%	44.0%	94.9%
SAU800148	PSY103954	34%	43.2%	96.4%
SAU800148	SPA100551	47%	87.2%	100%
SAU800148	STY102995	48%	97.2%	95.7%
SAU800148	STM101429	48%	97.2%	95.7%
SAU800148	SAU800148	100%	100%	100%
SAU800148	SEP200785	83%	100%	100%
SAU800148	SMU101295	46%	96.7%	97.3%
SAU800148	SPN401835	56%	97.7%	96.4%
SAU800148	SPY201284	26%	17.4%	36.3%
SAU800148	VCH102003	47%	97.2%	95.4%
SAU800148	YPS000792	48%	97.2%	95.8%
SAU800151	SAU800151	100%	100%	100%
SAU800151	SHA101869	60%	100%	99.6%
SAU800151	SPN300327	34%	93.3%	100%
SAU800152	BFR100028	44%	66.2%	66.8%
SAU800152	BFR11769	35%	96.2%	93.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800152	BPT101368	38%	90.1%	88.6%
SAU800152	BCE111630	44%	85.7%	82.9%
SAU800152	BFU101094	49%	62.1%	88.7%
SAU800152	BMA106224	44%	84.3%	80.4%
SAU800152	CJU101046	36%	95.7%	96.8%
SAU800152	CBO103725	41%	98.5%	97.6%
SAU800152	CDF100763	43%	96.7%	91.2%
SAU800152	EBC101361	39%	95.7%	89.5%
SAU800152	LPN103004	45%	72.0%	91.4%
SAU800152	NGO101878	41%	85.0%	80.7%
SAU800152	NME200591	40%	87.5%	84.7%
SAU800152	PMU101015	37%	95.2%	90.3%
SAU800152	PAE203139	37%	96.9%	90.4%
SAU800152	PPU108312	39%	91.8%	85.8%
SAU800152	PSY103120	43%	84.0%	85.3%
SAU800152	SAU800152	100%	100%	100%
SAU800152	SHA101870	72%	98.8%	99.8%
SAU800152	SPN400092	43%	98.0%	96.6%
SAU800152	TPA100076	41%	71.0%	81.6%
SAU800152	VCH100257	43%	78.9%	77.0%
SAU800153	ABA100169	69%	96.8%	96.8%
SAU800153	BFR11249	63%	97.7%	98.2%
SAU800153	CJU101217	40%	93.3%	96.4%
SAU800153	CAC103175	39%	94.4%	97.4%
SAU800153	CBO100761	38%	94.7%	93.0%
SAU800153	EFM201314	40%	93.3%	96.1%
SAU800153	HPY100827	40%	91.5%	94.6%
SAU800153	MBV101380	28%	42.1%	42.6%
SAU800153	MTU203421	28%	42.1%	41.8%
SAU800153	PMU101007	66%	96.8%	96.5%
SAU800153	SAU800153	100%	100%	100%
SAU800153	SPN300338	61%	98.8%	98.0%
SAU800155	ABA100167	54%	100%	99.7%
SAU800155	BFR11005	57%	99.5%	95.7%
SAU800155	BPT101413	30%	96.0%	99.2%
SAU800155	CBO103104	33%	86.9%	91.5%
SAU800155	NME102042	19%	28.1%	19.0%
SAU800155	PMU101009	54%	100%	99.7%
SAU800155	PAE203146	32%	89.8%	94.9%
SAU800155	SAU800155	100%	100%	100%
SAU800155	SPN300340	58%	99.5%	95.7%
SAU800156	ABA105471	48%	42.3%	41.4%
SAU800156	BAN107240	37%	57.2%	61.4%
SAU800156	BAN109955	32%	89.9%	82.4%
SAU800156	BFU114872	38%	66.3%	72.9%
SAU800156	CAC103125	40%	61.5%	75.8%
SAU800156	CAC101863	35%	71.6%	80%
SAU800156	CDF100556	45%	58.2%	58.6%
SAU800156	LPN100956	38%	55.3%	49.1%
SAU800156	PMU101197	35%	70.7%	78.7%
SAU800156	PAE203850	39%	72.1%	63.3%
SAU800156	PSY107373	35%	66.8%	65.2%
SAU800156	SAU800156	100%	100%	100%
SAU800156	VCH103030	41%	64.4%	64.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800160	ABA100166	22%	99.5%	99.0%
SAU800160	BAN107168	22%	64.6%	66.1%
SAU800160	BAN104614	22%	94.3%	90.6%
SAU800160	BFR11006	24%	86.3%	87.8%
SAU800160	BPT101412	20%	68.8%	67.3%
SAU800160	BFU112629	20%	59.9%	52.4%
SAU800160	BFU111140	21%	89.0%	82.9%
SAU800160	CJU100805	30%	13.0%	24.4%
SAU800160	CBO100970	23%	98.8%	98.3%
SAU800160	EBC102688	23%	85.3%	86.2%
SAU800160	ECO102009	25%	49.1%	48.4%
SAU800160	PMU101010	25%	99.0%	97.8%
SAU800160	PRT102124	22%	60.8%	58.7%
SAU800160	SPA101487	24%	50.4%	49.4%
SAU800160	STY103551	25%	50.4%	49.4%
SAU800160	SAU800160	100%	100%	100%
SAU800160	SPN300331	23%	96.3%	95.6%
SAU800161	ABA100163	40%	99.5%	88.3%
SAU800161	BFR11403	41%	98.9%	90.1%
SAU800161	BFR11007	41%	98.9%	90.1%
SAU800161	BCE108815	39%	93.5%	39.8%
SAU800161	BFU102860	36%	93.5%	39.5%
SAU800161	BFU110433	39%	93.5%	38.6%
SAU800161	BFU100400	40%	89.2%	37.3%
SAU800161	BFU111110	39%	98.9%	41.8%
SAU800161	BFU101647	40%	96.8%	41.2%
SAU800161	BFU100180	40%	93.5%	38.3%
SAU800161	BFU113440	40%	93.5%	39.5%
SAU800161	BMA104513	38%	93.5%	39.6%
SAU800161	CJU101050	42%	98.4%	89.5%
SAU800161	HIN100853	36%	99.5%	42.0%
SAU800161	KPN206317	38%	99.5%	41.7%
SAU800161	NGO101595	42%	98.9%	43.8%
SAU800161	NME200593	41%	98.4%	43.6%
SAU800161	PMU101011	41%	99.5%	91%
SAU800161	SPA105037	36%	99.5%	41.6%
SAU800161	SAU800161	100%	100%	100%
SAU800161	SHA101990	45%	98.9%	45.4%
SAU800161	SPN300330	49%	98.9%	87.7%
SAU800161	SPY101929	42%	61.1%	91.1%
SAU800161	VCH100260	43%	91.4%	89.7%
SAU800170	SAU800170	100%	100%	100%
SAU800173	ABA100118	26%	38.7%	49.8%
SAU800173	BCE106163	21%	50.5%	84.4%
SAU800173	BCE114441	24%	76.2%	65.2%
SAU800173	BFU111162	25%	65.0%	55.3%
SAU800173	BFU116306	24%	76.2%	63.7%
SAU800173	BMA108816	22%	69.3%	68.2%
SAU800173	CAC102862	22%	77.1%	67.7%
SAU800173	CBO101671	20%	98.1%	88.0%
SAU800173	CDF102271	20%	97.5%	89.3%
SAU800173	EBC102281	23%	53.9%	54.4%
SAU800173	ECO100911	23%	55.4%	53.8%
SAU800173	HIN100383	25%	22.6%	33.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800173	KPN307346	25%	58.2%	54.5%
SAU800173	MAV100094	21%	61.0%	59.5%
SAU800173	PAE202326	23%	75.5%	63.7%
SAU800173	PPU112476	26%	66.9%	60.8%
SAU800173	PSY105587	23%	68.7%	57.8%
SAU800173	SAU800173	100%	100%	100%
SAU800173	SMU102515	20%	88.2%	84.5%
SAU800173	YPS005574	20%	89.2%	86.0%
SAU800176	BAN107751	40%	94.8%	94.8%
SAU800176	BAN110534	40%	94.8%	96.5%
SAU800176	SAU800176	100%	100%	100%
SAU800177	BPT101987	47%	82.9%	79.5%
SAU800177	LPN101961	44%	89.0%	85.6%
SAU800177	MAV102109	41%	88.5%	88.2%
SAU800177	SAU800177	100%	100%	100%
SAU800179	ABA102315	26%	2.6%	81.2%
SAU800179	BAN113579	35%	7.1%	88.4%
SAU800179	BAN101449	30%	66.1%	66.7%
SAU800179	BAN105122	26%	72.9%	58.3%
SAU800179	BAN110486	32%	74.7%	33.2%
SAU800179	BFR10464	27%	65.8%	98.8%
SAU800179	BCE107762	26%	7.9%	98.0%
SAU800179	BFU114880	33%	30.3%	24.1%
SAU800179	BMA107341	33%	67.3%	47.5%
SAU800179	BMA108540	30%	67.2%	17.5%
SAU800179	CBO101685	28%	66.5%	92.1%
SAU800179	CDF101294	33%	65.9%	75.3%
SAU800179	CDP101614	26%	66.0%	41.7%
SAU800179	EBC101709	27%	68.9%	60.8%
SAU800179	ECO100576	28%	69.6%	50.8%
SAU800179	KPN300374	32%	47.1%	59.5%
SAU800179	KPN304828	28%	69.6%	50.5%
SAU800179	LPN101088	36%	66.7%	40.7%
SAU800179	MAV100199	37%	40.9%	34.2%
SAU800179	MAV108422	22%	5.8%	65%
SAU800179	MAV105730	26%	4.9%	63.4%
SAU800179	MAV100323	37%	2.8%	76.1%
SAU800179	MAV100747	31%	37.4%	16.2%
SAU800179	MAV103392	29%	27.5%	44.7%
SAU800179	MAV108053	32%	68.4%	54.7%
SAU800179	MAV100755	28%	51.1%	50.7%
SAU800179	MAV100412	28%	6.6%	77.2%
SAU800179	MAV100756	25%	48.6%	13.7%
SAU800179	MAV106465	29%	34.4%	81.2%
SAU800179	MAV100351	30%	40.6%	39.1%
SAU800179	MAV100574	30%	69.3%	16.7%
SAU800179	MBV104734	26%	21.9%	62.9%
SAU800179	MTU200101	26%	21.9%	62.9%
SAU800179	PAE202400	30%	11.1%	34.7%
SAU800179	PAE202397	31%	68.3%	25.6%
SAU800179	PAE202398	30%	51.8%	16.5%
SAU800179	PAE202399	25%	11.0%	96.8%
SAU800179	PPU101236	30%	69.9%	15.8%
SAU800179	PSY107058	30%	10.0%	85.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800179	PSY107996	33%	68.3%	49.2%
SAU800179	PSY108115	29%	0.8%	84.0%
SAU800179	PSY104787	30%	69.2%	18.3%
SAU800179	PSY106622	31%	69.8%	30.8%
SAU800179	PSY102912	30%	83.1%	3.2%
SAU800179	SPA100043	28%	54.6%	86.4%
SAU800179	STY101355	23%	5.8%	70.5%
SAU800179	STM101087	22%	1.0%	80.1%
SAU800179	SAU800179	100%	100%	100%
SAU800179	SEP202199	53%	42.0%	84.8%
SAU800179	SMU100382	27%	40.5%	98.9%
SAU800179	YPS003580	27%	64.7%	96.9%
SAU800185	ABA105856	35%	94.9%	91.7%
SAU800185	ABA104433	36%	94.2%	92.6%
SAU800185	BAN102092	44%	94.2%	94.2%
SAU800185	BAN104945	53%	98.5%	97.2%
SAU800185	BFR11237	33%	95.4%	97.9%
SAU800185	BPT100709	47%	95.2%	91.3%
SAU800185	BCE106345	35%	94.9%	92.0%
SAU800185	BFU105496	36%	93.4%	90.3%
SAU800185	BMA107078	36%	94.9%	86.9%
SAU800185	CJU100200	35%	96.2%	96.2%
SAU800185	CAC100405	40%	97.2%	99.0%
SAU800185	CDF100831	35%	99.0%	97.7%
SAU800185	CDP100997	39%	94.4%	88.9%
SAU800185	EBC103860	36%	94.7%	92.6%
SAU800185	EBC103776	40%	90.1%	80.0%
SAU800185	ECO103282	35%	94.7%	92.6%
SAU800185	ECO103006	39%	90.1%	74.0%
SAU800185	KPN302797	36%	93.1%	91.1%
SAU800185	KPN308058	37%	94.7%	93.5%
SAU800185	KPN301328	36%	94.7%	92.6%
SAU800185	LPN102205	38%	75.9%	90.9%
SAU800185	LMO102103	37%	95.7%	95.1%
SAU800185	MCA102985	44%	96.7%	93.5%
SAU800185	MAV102776	45%	99.7%	96.1%
SAU800185	MBV100237	39%	94.9%	95.3%
SAU800185	MLP100874	38%	95.9%	92.1%
SAU800185	MTU201634	39%	94.9%	92%
SAU800185	NGO101087	38%	94.2%	94.2%
SAU800185	NME201443	38%	93.9%	94.0%
SAU800185	PMU100344	35%	95.4%	95.2%
SAU800185	PRT100873	36%	93.4%	91.6%
SAU800185	PAE200894	38%	96.7%	94.6%
SAU800185	PPU101089	35%	95.2%	93.1%
SAU800185	PSY105268	40%	94.4%	93.5%
SAU800185	SPA103259	39%	89.6%	85.1%
SAU800185	STY100836	39%	89.6%	85.1%
SAU800185	STM101284	39%	89.6%	85.1%
SAU800185	SAU800957	56%	99.0%	98.5%
SAU800185	SAU800185	100%	100%	100%
SAU800185	SEP200162	56%	98.7%	98.2%
SAU800185	SHA101572	55%	98.7%	98.2%
SAU800185	SMU100706	26%	70.3%	70.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800185	SMU100846	36%	96.2%	93.7%
SAU800185	VCH102581	36%	94.2%	92.8%
SAU800185	YPS002621	36%	94.2%	91.8%
SAU800186	ABA103932	35%	97.1%	97.5%
SAU800186	BAN109506	58%	8.7%	79.6%
SAU800186	BAN112839	41%	65.7%	97.3%
SAU800186	BAN100191	40%	91.3%	99.5%
SAU800186	BAN109468	43%	91.3%	99.5%
SAU800186	BAN103523	42%	99.3%	97.3%
SAU800186	CPN201014	26%	87.1%	100%
SAU800186	CAC101620	41%	98.4%	98.6%
SAU800186	CBO101553	29%	79.1%	96.6%
SAU800186	CBO101868	36%	97.8%	97.7%
SAU800186	CBO103521	35%	99.6%	98.6%
SAU800186	EFA201957	58%	97.8%	97.3%
SAU800186	EFM201026	62%	93.8%	97.9%
SAU800186	HPY200813	29%	27.2%	24.8%
SAU800186	NGO101301	27%	39.4%	68.1%
SAU800186	NME200461	26%	39.4%	68.1%
SAU800186	PPU112371	33%	87.5%	95.7%
SAU800186	SAU800186	100%	100%	100%
SAU800186	SEP200040	72%	99.6%	98.7%
SAU800186	SPY200236	36%	98.9%	99.6%
SAU800186	TPA100262	31%	93.8%	92.5%
SAU800186	VCH100650	37%	98.0%	97.0%
SAU800187	BPT104834	23%	92.1%	71.3%
SAU800187	BCE113026	33%	97.0%	83.4%
SAU800187	BFU101703	31%	97.0%	83.4%
SAU800187	BMA108193	31%	81.8%	67.2%
SAU800187	CAC101772	28%	76.4%	64.6%
SAU800187	CBO103295	28%	83.6%	71.9%
SAU800187	CDF101300	25%	95.8%	83.8%
SAU800187	EBC102310	37%	97.0%	86.2%
SAU800187	EFM201317	33%	97.6%	81.9%
SAU800187	ECO101835	38%	97.0%	81.4%
SAU800187	KPN301312	37%	97.0%	86.2%
SAU800187	LMO101748	28%	70.3%	60%
SAU800187	MAV105869	28%	55.8%	45.1%
SAU800187	MAV106475	24%	51.5%	42.4%
SAU800187	MAV108289	31%	54.5%	43.1%
SAU800187	NME300906	32%	27.9%	8.7%
SAU800187	PAE204210	31%	55.2%	44.0%
SAU800187	PAE201901	31%	55.2%	44.0%
SAU800187	STY102266	38%	97.0%	86.2%
SAU800187	STM102408	38%	97.0%	86.2%
SAU800187	SAU800187	100%	100%	100%
SAU800187	SPN201097	33%	35.8%	35.5%
SAU800189	BCE100659	40%	67.8%	99.8%
SAU800189	BMA108578	42%	72.2%	78.6%
SAU800189	CAC100074	44%	98.4%	98.5%
SAU800189	EBC103351	45%	73.0%	98.0%
SAU800189	ECO100662	39%	95.2%	95.1%
SAU800189	KPN301181	39%	95.9%	95.7%
SAU800189	MTU405366	23%	22.3%	34.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800189	MGE100071	36%	4.6%	21.1%
SAU800189	MPN100624	34%	4.6%	21.3%
SAU800189	SPA101338	38%	95.9%	95.7%
SAU800189	STY101832	39%	95.9%	95.7%
SAU800189	STM101571	39%	95.9%	95.7%
SAU800189	SAU800189	100%	100%	100%
SAU800189	SEP201169	77%	98.2%	98.7%
SAU800189	SHA102201	79%	96.8%	99.8%
SAU800189	SMU100648	33%	94.7%	96.9%
SAU800189	SPY201526	33%	95.7%	95.1%
SAU800189	YPS003166	49%	73.1%	99.0%
SAU800190	BAN110675	33%	65.0%	66.3%
SAU800190	BAN112117	31%	97.2%	98.0%
SAU800190	CBO101036	31%	97.4%	98.6%
SAU800190	CDF101697	24%	93.7%	92.7%
SAU800190	EFA200342	32%	97.2%	95.4%
SAU800190	EFM201878	24%	93.7%	93.4%
SAU800190	LMO101299	27%	91.7%	91.4%
SAU800190	SAU800190	100%	100%	100%
SAU800190	SEP200415	43%	100%	100%
SAU800190	SHA101917	44%	99.1%	99.4%
SAU800190	SPY201019	24%	96.6%	97.0%
SAU800191	BAN108120	51%	98.0%	100%
SAU800191	BAN102078	58%	98.3%	100%
SAU800191	BFR11800	49%	79.9%	85.1%
SAU800191	BMA100134	24%	48.2%	72.6%
SAU800191	CJU101074	22%	50.5%	80.6%
SAU800191	CAC100588	47%	98.3%	97.4%
SAU800191	CBO102158	47%	98.7%	97.7%
SAU800191	CDF101698	43%	98.3%	96.7%
SAU800191	EBC102615	50%	96.3%	97.6%
SAU800191	EFA200347	57%	98.0%	99.0%
SAU800191	ECO102379	46%	97.7%	98.0%
SAU800191	HIN100734	47%	91.3%	90.1%
SAU800191	KPN309180	47%	96.3%	96%
SAU800191	MAV101477	23%	45.5%	65.9%
SAU800191	PMU101576	46%	96.3%	95.7%
SAU800191	PRT104700	46%	98.0%	98.0%
SAU800191	PAE204455	23%	50.8%	39.9%
SAU800191	SPA103314	47%	96.3%	97.6%
SAU800191	STY102082	47%	96.3%	97.0%
SAU800191	SAU800191	100%	100%	100%
SAU800191	SEP200417	61%	98.0%	99.3%
SAU800191	SHA101129	63%	98.3%	99.7%
SAU800191	VCH100677	50%	99.3%	96.7%
SAU800191	YPS003384	49%	96.3%	97.6%
SAU800192	BAN102807	44%	98.8%	99.6%
SAU800192	BAN104150	47%	98.8%	99.6%
SAU800192	CBO103921	40%	83.3%	94.3%
SAU800192	EBC102613	38%	97.3%	98.7%
SAU800192	EFA200349	61%	98.1%	98.6%
SAU800192	EFM202225	59%	97.1%	89.7%
SAU800192	ECO102380	37%	97.3%	98.5%
SAU800192	KPN308727	38%	96.7%	97.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800192	LMO102292	30%	96.5%	71.6%
SAU800192	MAV101637	20%	44.8%	48.3%
SAU800192	MBV104423	22%	40.5%	35.5%
SAU800192	MTU202378	22%	40.5%	32.3%
SAU800192	PMU101575	37%	97.3%	98.3%
SAU800192	PRT101385	35%	96.5%	96.9%
SAU800192	SPA103312	35%	87.2%	92.5%
SAU800192	STY102079	37%	97.3%	98.7%
SAU800192	SAU800192	100%	100%	100%
SAU800192	SEP200419	73%	99.2%	100%
SAU800192	SHA101130	73%	94.4%	100%
SAU800192	VCH100205	37%	96.5%	97.3%
SAU800195	BFR10845	24%	75.2%	69.6%
SAU800195	BCE100929	25%	63.8%	61.3%
SAU800195	BFU103174	23%	75.6%	73.4%
SAU800195	CJU101458	22%	99.8%	97.1%
SAU800195	CDP101414	24%	60.1%	55.1%
SAU800195	EBC105012	21%	65.6%	63.1%
SAU800195	EFA102287	28%	98.7%	98.8%
SAU800195	EFM202587	28%	98.7%	98.8%
SAU800195	ECO104239	22%	47.1%	41.0%
SAU800195	HIN101253	26%	73.7%	67.4%
SAU800195	HPY100833	38%	82.9%	90.9%
SAU800195	KPN211627	21%	65.6%	63.1%
SAU800195	MCA101429	27%	60.0%	54.8%
SAU800195	MPN100491	41%	20.7%	99.0%
SAU800195	NGO100947	35%	94.6%	91.8%
SAU800195	NME300783	36%	84.9%	92.7%
SAU800195	PMU101541	25%	62.5%	58.8%
SAU800195	PRT103742	23%	77.3%	71.0%
SAU800195	PAE202730	22%	60.7%	53.7%
SAU800195	PSY104037	23%	78.9%	77.0%
SAU800195	SPA101738	26%	21.0%	44.2%
SAU800195	STY104457	23%	34.6%	30.8%
SAU800195	SAU800195	100%	100%	100%
SAU800195	SEP200634	59%	100%	99.8%
SAU800195	SHA103279	62%	4.0%	78.7%
SAU800195	SMU100869	36%	95.7%	100%
SAU800195	SPY201467	30%	97.4%	95.2%
SAU800195	UUR100094	34%	94.2%	91.5%
SAU800195	VCH101736	23%	74.4%	76.1%
SAU800205	ABA103034	39%	48.5%	93.0%
SAU800205	BAN106829	38%	98.5%	78.5%
SAU800205	BAN101703	40%	3.6%	94.8%
SAU800205	BAN110503	38%	54.9%	97.4%
SAU800205	BPT100790	43%	49.1%	96.9%
SAU800205	BCE105561	42%	98.5%	41.2%
SAU800205	BFU101118	43%	98.1%	93.7%
SAU800205	BMA102386	42%	98.5%	95.6%
SAU800205	CBO102569	38%	99.1%	100%
SAU800205	CDP100969	39%	99.2%	46.2%
SAU800205	EBC102789	43%	98.9%	93%
SAU800205	EFA201581	39%	54.9%	97.4%
SAU800205	ECO100805	43%	51.5%	94.0%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800205	HPY100246	39%	99.4%	49.2%
SAU800205	KPN305262	42%	98.1%	98.9%
SAU800205	MAV102743	41%	48.5%	96.7%
SAU800205	MBV103927	41%	50.9%	98.0%
SAU800205	MTU203609	41%	50.9%	98.5%
SAU800205	PAE201806	42%	99.4%	98.3%
SAU800205	PPU106261	43%	98.3%	47.8%
SAU800205	PSY105667	43%	48.3%	98.7%
SAU800205	SPA101236	43%	84.7%	33.6%
SAU800205	STY102412	43%	51.3%	92.1%
SAU800205	STM102195	43%	51.3%	92.1%
SAU800205	SAU800205	100%	100%	100%
SAU800205	VCH100168	39%	98.7%	44.8%
SAU800205	YPS000348	41%	48.3%	98.9%
SAU800208	HPY201191	23%	51.3%	37.4%
SAU800208	SAU800208	100%	100%	100%
SAU800209	ABA106026	29%	79.9%	89.0%
SAU800209	BPT102230	32%	79.0%	90.9%
SAU800209	BCE114044	34%	69.9%	90.4%
SAU800209	BFU113973	29%	75.9%	87.0%
SAU800209	BFU104436	31%	76.9%	89.3%
SAU800209	BMA104598	31%	76.8%	89.9%
SAU800209	CDF100584	28%	74.3%	89.8%
SAU800209	EBC103795	35%	74.1%	85.9%
SAU800209	ECO103370	34%	74.6%	86.6%
SAU800209	HPY101101	35%	79.2%	94.2%
SAU800209	KPN308894	36%	74.6%	86.4%
SAU800209	LPN103288	33%	78.3%	91.3%
SAU800209	MCA103579	32%	80.8%	98.0%
SAU800209	MAV104222	25%	73.5%	88.8%
SAU800209	MBV101291	30%	79.0%	89.0%
SAU800209	MTU202358	30%	79.0%	87.1%
SAU800209	NGO101177	33%	81.3%	91.9%
SAU800209	NME201155	34%	80.8%	91.5%
SAU800209	PRT102085	34%	79.8%	92.0%
SAU800209	PAE201337	32%	69.5%	82.4%
SAU800209	PPU101006	31%	79.0%	93.8%
SAU800209	PSY102725	34%	71.7%	82.6%
SAU800209	SPA103343	34%	74.3%	86.2%
SAU800209	STY101289	34%	74.3%	86.2%
SAU800209	SAU800209	100%	100%	100%
SAU800209	SEP201132	26%	79.3%	91.2%
SAU800209	SHA102213	27%	70.8%	84.7%
SAU800209	VCH100192	33%	80.4%	92.3%
SAU800210	BAN102515	25%	49.0%	35.1%
SAU800210	SAU800100	36%	91.8%	91.4%
SAU800210	SAU800099	33%	92.2%	91.4%
SAU800210	SAU800097	35%	92.6%	91.8%
SAU800210	SAU800210	100%	100%	100%
SAU800210	SEP200591	31%	86.0%	94.5%
SAU800210	SEP200593	32%	86.0%	93.7%
SAU800210	SEP200598	33%	86.4%	95.7%
SAU800210	SEP200616	30%	97.7%	97.7%
SAU800210	SEP200552	30%	93.0%	92.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800210	SEP200589	32%	92.2%	92.9%
SAU800210	SEP200597	33%	93.0%	93.1%
SAU800210	SEP200553	33%	93.4%	93.8%
SAU800210	SEP200083	34%	93.4%	98.0%
SAU800210	UUR100488	23%	61.5%	14.0%
SAU800210	UUR100500	25%	50.2%	2.6%
SAU800217	BAN105693	25%	39.3%	42.3%
SAU800217	BAN101644	24%	69.9%	67.7%
SAU800217	BFR11588	30%	56.8%	56.0%
SAU800217	BPT101418	23%	98.3%	95.7%
SAU800217	BCE114462	26%	76.6%	70.8%
SAU800217	BFU109787	27%	56.3%	57.3%
SAU800217	BMA100330	27%	53.2%	54.5%
SAU800217	CJU100467	24%	52.9%	59.0%
SAU800217	CAC101556	26%	57.1%	61.8%
SAU800217	CAC101990	28%	57.7%	63.8%
SAU800217	CBO100089	28%	99.7%	94.9%
SAU800217	CDF101374	32%	32.3%	33.3%
SAU800217	EBC102005	34%	98.3%	97.4%
SAU800217	EFA200857	31%	55.4%	60.5%
SAU800217	EFM202322	33%	98.1%	98.8%
SAU800217	ECO101286	37%	98.3%	96.9%
SAU800217	HPY100671	29%	29.5%	38.1%
SAU800217	KPN303110	26%	76.6%	70.8%
SAU800217	KPN303422	27%	76.6%	70.4%
SAU800217	LPN102197	22%	96.4%	95.3%
SAU800217	LMO100926	67%	99.4%	99.7%
SAU800217	MAV105900	25%	98.1%	98.1%
SAU800217	MAV106814	27%	77.2%	74.2%
SAU800217	PRT104380	30%	51.5%	51.6%
SAU800217	PAE205144	28%	52.4%	50.8%
SAU800217	PSY102486	25%	71.6%	69.5%
SAU800217	SPA102336	30%	51.5%	51.1%
SAU800217	STY100553	29%	51.5%	48.2%
SAU800217	STM103742	28%	54.0%	55.4%
SAU800217	SAU800217	100%	100%	100%
SAU800217	SPN201737	28%	41.2%	65.4%
SAU800217	SPY200315	27%	40.7%	44.8%
SAU800217	YPS002291	26%	98.3%	97.9%
SAU800218	BCE105360	31%	57.2%	57.3%
SAU800218	CDF101870	23%	56.4%	59.0%
SAU800218	PMU101765	30%	55.5%	52.9%
SAU800218	PMU101759	25%	77.7%	68.1%
SAU800218	PPU111816	22%	77.5%	80.1%
SAU800218	SAU800218	100%	100%	100%
SAU800218	SMU100226	24%	54.9%	58.6%
SAU800218	SPN401529	23%	77.7%	68.1%
SAU800218	VCH102835	35%	55.2%	54.3%
SAU800219	BAN109911	28%	23.3%	48.1%
SAU800219	BAN113414	23%	70.8%	71.8%
SAU800219	BFU109648	27%	51.6%	51.3%
SAU800219	BMA102321	23%	48.4%	49.0%
SAU800219	CBO103013	27%	46.6%	44.9%
SAU800219	EBC102356	34%	27.0%	27.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800219	EFA201215	23%	53.7%	59.4%
SAU800219	EFM100935	27%	36.3%	38.5%
SAU800219	KPN304402	30%	42.9%	39.4%
SAU800219	LMO100731	63%	100%	100%
SAU800219	PSY102814	27%	34.2%	35.7%
SAU800219	SAU800219	100%	100%	100%
SAU800219	YPS000561	28%	32.9%	29.7%
SAU800230	BCE113780	20%	36.8%	66.7%
SAU800230	BMA109792	21%	34.5%	58.8%
SAU800230	PMU101543	31%	13.7%	42.4%
SAU800230	PAE201595	20%	29.8%	32.3%
SAU800230	SAU800230	100%	100%	100%
SAU800230	SAU800812	26%	62.0%	80.4%
SAU800230	SPN202849	22%	38.0%	55.9%
SAU800232	ABA103707	31%	38.2%	55.5%
SAU800232	BAN100937	30%	61.4%	59.3%
SAU800232	BAN107686	33%	99.7%	99.6%
SAU800232	BPT101578	29%	39.3%	81.4%
SAU800232	BCE106359	35%	77.8%	97.5%
SAU800232	BFU110931	34%	100%	96.5%
SAU800232	BMA107156	36%	99.7%	94.6%
SAU800232	CAC103282	31%	38.1%	100%
SAU800232	CBO103696	32%	37.5%	98.9%
SAU800232	CDF100453	31%	37.8%	99.6%
SAU800232	EBC103297	29%	77.6%	21.5%
SAU800232	EFM200577	29%	13.1%	91.2%
SAU800232	ECO103758	32%	77.6%	21.8%
SAU800232	KPN305008	29%	52.1%	87.1%
SAU800232	LPN103257	33%	99.7%	99.2%
SAU800232	MCA100365	33%	77.0%	22.9%
SAU800232	MAV101275	33%	37.6%	94.3%
SAU800232	MBV104755	32%	37.6%	97.9%
SAU800232	MLP101467	33%	37.6%	97.6%
SAU800232	MTU200466	32%	37.6%	97.9%
SAU800232	PRT102958	28%	76.6%	22.6%
SAU800232	PAE203012	31%	77.4%	22.4%
SAU800232	PPU110248	30%	37.8%	99.3%
SAU800232	PSY102874	29%	77.4%	22.2%
SAU800232	SPA101936	31%	77.0%	22.9%
SAU800232	STY101059	31%	76.9%	22.1%
SAU800232	SAU800232	100%	100%	100%
SAU800232	SEP200029	26%	21.4%	49.2%
SAU800232	VCH101028	31%	76.5%	22.8%
SAU800232	YPS000580	29%	76.2%	23.2%
SAU800244	CDF102198	25%	95.8%	99.4%
SAU800244	EFA202092	26%	86.8%	95.4%
SAU800244	EFM200261	27%	85.5%	89.1%
SAU800244	LMO102925	33%	98.6%	98.8%
SAU800244	SAU800244	100%	100%	100%
SAU800244	SPN401937	26%	86.5%	88.9%
SAU800244	SPY201502	24%	98.0%	98.8%
SAU800248	ABA101016	28%	89.7%	91.8%
SAU800248	BAN100750	36%	88.9%	90.6%
SAU800248	BAN111894	36%	96.9%	96.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800248	BFR11480	26%	92.3%	94.5%
SAU800248	BCE110397	34%	88.3%	77.0%
SAU800248	BFU101210	30%	96.6%	93.6%
SAU800248	BMA104338	32%	88.6%	89.0%
SAU800248	CBO103141	33%	84.6%	86.3%
SAU800248	CDF102818	52%	96.9%	99.7%
SAU800248	CDP101523	33%	82.6%	84.3%
SAU800248	EBC102200	30%	96.6%	98.8%
SAU800248	ECO101744	29%	98.6%	100%
SAU800248	HIN100052	32%	84.6%	86.5%
SAU800248	LMO101960	50%	96.9%	99.7%
SAU800248	MBV100889	27%	94.3%	98.2%
SAU800248	MTU201862	26%	94.9%	87.2%
SAU800248	NGO100006	29%	94.0%	96.9%
SAU800248	NME200748	29%	94.0%	96.9%
SAU800248	PAE204150	30%	88.9%	89.0%
SAU800248	PPU108157	31%	86.6%	87.0%
SAU800248	PSY100942	28%	57.8%	61.2%
SAU800248	SAU800248	100%	100%	100%
SAU800248	SEP201149	31%	86.9%	88.3%
SAU800248	SHA102394	30%	93.7%	93.3%
SAU800248	YPS000069	31%	97.2%	94.3%
SAU800249	SAU800249	100%	100%	100%
SAU800250	ABA100470	30%	68.3%	68.5%
SAU800250	ABA104607	27%	99.4%	99.7%
SAU800250	BCE102585	31%	97.4%	96.5%
SAU800250	BMA104373	30%	91.6%	91.5%
SAU800250	CAC103234	24%	98.8%	99.2%
SAU800250	CBO100670	42%	99.7%	98.9%
SAU800250	CDF103454	45%	99.7%	99.4%
SAU800250	EFM200976	29%	60.2%	59.9%
SAU800250	ECO102050	36%	88.5%	89.0%
SAU800250	KPN300285	30%	42.1%	88.0%
SAU800250	KPN300067	37%	41.2%	84.6%
SAU800250	KPN302061	33%	91.6%	91.9%
SAU800250	LMO100742	55%	99.1%	99.1%
SAU800250	MAV102599	28%	99.4%	99.4%
SAU800250	NME301308	30%	79.3%	82.1%
SAU800250	PRT102478	31%	87.9%	88.3%
SAU800250	PAE204094	32%	82.1%	82.4%
SAU800250	PSY101076	26%	98.8%	98.7%
SAU800250	SPA103909	33%	91.6%	93.5%
SAU800250	STY100960	34%	91.6%	91.9%
SAU800250	STM101689	34%	91.6%	91.9%
SAU800250	SAU800250	100%	100%	100%
SAU800250	SEP201139	31%	96.3%	95.1%
SAU800250	SPN401863	30%	91.6%	91.2%
SAU800250	VCH103605	29%	87.9%	87.8%
SAU800250	YPS001510	31%	96.8%	97.4%
SAU800251	ABA104830	24%	97.1%	93.7%
SAU800251	BAN102596	25%	88.2%	95.3%
SAU800251	BAN108361	31%	95.0%	95.6%
SAU800251	BFR100529	34%	95.0%	97.3%
SAU800251	BPT100080	26%	92.0%	55.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800251	BCE101526	26%	95.0%	54.6%
SAU800251	BFU100214	27%	96.6%	95.8%
SAU800251	BMA106181	30%	96.6%	51.7%
SAU800251	CJU101513	21%	92.4%	51.8%
SAU800251	CPN200167	23%	95.0%	96.7%
SAU800251	CTR200736	24%	95.0%	93.6%
SAU800251	CAC101569	32%	95.4%	95.6%
SAU800251	CBO100888	35%	95.4%	92.0%
SAU800251	CDF102172	32%	95.0%	56.7%
SAU800251	CDP100619	25%	77.3%	88.3%
SAU800251	EBC104340	27%	95.0%	91.5%
SAU800251	EFA201718	27%	97.5%	98.3%
SAU800251	ECO102687	26%	95.0%	91.5%
SAU800251	HIN100653	30%	95.0%	94.2%
SAU800251	HPY101003	22%	92.4%	48.3%
SAU800251	KPN303853	27%	95.0%	91.5%
SAU800251	LPN102227	23%	49.6%	56.0%
SAU800251	LMO100038	63%	97.5%	97.9%
SAU800251	MCA101101	29%	97.5%	94.6%
SAU800251	MAV102723	23%	97.1%	92.8%
SAU800251	MBV100382	27%	97.5%	97.0%
SAU800251	MLP100220	25%	97.1%	96.7%
SAU800251	MTU203530	27%	97.5%	97.0%
SAU800251	MPN100578	18%	52.5%	51.8%
SAU800251	NGO100250	28%	95.0%	95.2%
SAU800251	NME201572	29%	95.0%	95.2%
SAU800251	PMU101608	32%	95.0%	92.0%
SAU800251	PRT106157	28%	98.3%	91.0%
SAU800251	PAE203631	27%	92.0%	91.0%
SAU800251	PPU101184	26%	93.7%	92.3%
SAU800251	PSY104324	27%	93.7%	90.8%
SAU800251	SPA100751	27%	95.0%	92.3%
SAU800251	STY103434	26%	95.0%	91.5%
SAU800251	SAU800255	76%	100%	100%
SAU800251	SAU800251	100%	100%	100%
SAU800251	SEP200082	65%	100%	100%
SAU800251	SPN401148	51%	98.3%	100%
SAU800251	TPA100508	30%	50.8%	30.1%
SAU800251	VCH100518	26%	92.4%	91.4%
SAU800251	YPS000098	27%	95.0%	89.6%
SAU800252	LMO101739	56%	100%	100%
SAU800252	SAU800256	80%	99.4%	99.4%
SAU800252	SAU800252	100%	100%	100%
SAU800252	SEP200084	67%	100%	100%
SAU800252	SPN401147	41%	100%	98.3%
SAU800253	CDF103032	21%	41.8%	49.4%
SAU800253	LMO100411	50%	98.4%	98.8%
SAU800253	SAU800257	79%	98.9%	99.3%
SAU800253	SAU800253	100%	100%	100%
SAU800253	SEP200090	58%	99.5%	99.3%
SAU800254	ABA103648	25%	17.0%	27.2%
SAU800254	CDF104151	24%	98.2%	95.7%
SAU800254	EFA201713	47%	98.7%	99.7%
SAU800254	EFM100909	29%	98.2%	97.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800254	SAU800254	100%	100%	100%
SAU800254	SEP200935	47%	99.7%	54.2%
SAU800254	SHA101588	50%	99.7%	54.2%
SAU800254	SPN201930	32%	92.3%	90.3%
SAU800255	ABA104830	25%	96.6%	93.3%
SAU800255	BAN102596	23%	88.2%	95.3%
SAU800255	BAN108361	31%	95.0%	95.6%
SAU800255	BFR100529	34%	95.0%	97.3%
SAU800255	BPT100080	26%	92.0%	55.2%
SAU800255	BCE101526	27%	95.0%	54.6%
SAU800255	BFU100214	26%	96.2%	95.4%
SAU800255	BMA106181	28%	96.2%	51.5%
SAU800255	CJU101513	23%	92.4%	51.8%
SAU800255	CPN200167	25%	95.0%	96.7%
SAU800255	CTR200736	25%	95.0%	93.6%
SAU800255	CAC101569	30%	97.5%	97.8%
SAU800255	CBO100888	32%	95.0%	91.6%
SAU800255	CDF102172	32%	95.0%	56.7%
SAU800255	CDP100619	29%	77.3%	87.9%
SAU800255	EBC104340	26%	94.1%	90.7%
SAU800255	EFA201718	27%	95.4%	96.2%
SAU800255	ECO102687	27%	94.1%	90.7%
SAU800255	HIN100653	30%	92.4%	91.6%
SAU800255	HPY101003	23%	92.4%	48.3%
SAU800255	KPN303853	27%	94.1%	90.7%
SAU800255	LMO100038	60%	97.5%	97.9%
SAU800255	MCA101101	29%	97.1%	94.2%
SAU800255	MAV102723	23%	96.2%	91.9%
SAU800255	MBV100382	27%	95.0%	94.4%
SAU800255	MLP100220	24%	96.2%	95.9%
SAU800255	MTU203530	27%	95.0%	94.4%
SAU800255	MPN100578	20%	55.5%	54.6%
SAU800255	NGO100250	25%	95.0%	95.2%
SAU800255	NME201572	27%	95.0%	95.2%
SAU800255	PMU101608	33%	94.1%	91.2%
SAU800255	PRT106157	30%	94.1%	87.1%
SAU800255	PAE203631	27%	92.0%	91.0%
SAU800255	PPU101184	29%	93.7%	92.3%
SAU800255	PSY104324	30%	93.7%	90.8%
SAU800255	SPA100751	26%	94.1%	91.5%
SAU800255	STY103434	26%	94.1%	90.7%
SAU800255	SAU800251	76%	100%	100%
SAU800255	SAU800255	100%	100%	100%
SAU800255	SEP200082	65%	100%	100%
SAU800255	SPN401148	50%	97.1%	98.7%
SAU800255	TPA100508	28%	50.8%	30.1%
SAU800255	VCH100518	28%	92.4%	91.4%
SAU800255	YPS000098	28%	92.4%	87.1%
SAU800256	LMO101739	57%	99.4%	99.4%
SAU800256	SAU800252	80%	99.4%	99.4%
SAU800256	SAU800256	100%	100%	100%
SAU800256	SEP200084	65%	99.4%	99.4%
SAU800256	SPN401147	42%	99.4%	97.7%
SAU800257	CDF103032	21%	42.7%	50.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800257	LMO100411	52%	99.6%	99.6%
SAU800257	SAU800253	79%	99.3%	98.9%
SAU800257	SAU800257	100%	100%	100%
SAU800257	SEP200090	60%	99.6%	99.1%
SAU800258	ABA104701	35%	15.7%	22.4%
SAU800258	ABA100036	35%	15.7%	58.1%
SAU800258	BAN109166	35%	17.8%	37.9%
SAU800258	BFR11102	26%	37.9%	63.1%
SAU800258	BPT102737	34%	18.3%	39.1%
SAU800258	BBU100571	25%	37.2%	62.3%
SAU800258	BCE115140	33%	18.8%	24.7%
SAU800258	BFU110385	32%	18.8%	34.1%
SAU800258	BMA101495	28%	15.7%	28.6%
SAU800258	CJU101072	25%	36.8%	78.8%
SAU800258	CJU101065	34%	19.2%	35.6%
SAU800258	CAC101983	23%	33.3%	58.0%
SAU800258	CAC103151	23%	47.3%	85.0%
SAU800258	CAC103767	27%	34.0%	60.4%
SAU800258	CBO101238	33%	21.5%	28.1%
SAU800258	CDF100756	39%	17.3%	37.6%
SAU800258	CDF102522	39%	18.8%	42.6%
SAU800258	EBC106956	24%	43.6%	75.5%
SAU800258	EFA201715	25%	72.8%	88.5%
SAU800258	EFM202433	27%	47.5%	81.5%
SAU800258	ECO103537	25%	35.1%	60.8%
SAU800258	HIN100848	32%	19.7%	44.4%
SAU800258	KPN306449	26%	35.8%	49.1%
SAU800258	LMO100218	30%	45.5%	41.4%
SAU800258	LMO102930	28%	84.6%	98.8%
SAU800258	MAV104430	35%	9.1%	55.4%
SAU800258	MAV108796	31%	18.5%	87.7%
SAU800258	MAV105180	31%	18.5%	31.4%
SAU800258	MBV102059	32%	21.6%	49.2%
SAU800258	MTU202919	32%	21.6%	45.8%
SAU800258	MGE100062	26%	45.9%	92.3%
SAU800258	MPN100080	27%	45.9%	91.3%
SAU800258	NGO100795	27%	36.1%	67.2%
SAU800258	NME200769	24%	1.2%	14.9%
SAU800258	PMU100414	24%	39.1%	37.5%
SAU800258	PMU100777	36%	18.8%	22.2%
SAU800258	PRT105387	29%	34.7%	63.3%
SAU800258	PAE201013	25%	37.0%	63.6%
SAU800258	PAE200704	28%	29.3%	56.2%
SAU800258	SPA100813	25%	35.1%	60.9%
SAU800258	STY100337	25%	35.1%	60.8%
SAU800258	SAU800258	100%	100%	100%
SAU800258	SHA103377	22%	79.8%	70.5%
SAU800258	SMU100179	32%	16.8%	20.6%
SAU800258	SPN401222	27%	38.2%	67.1%
SAU800258	SPY200584	37%	16.8%	28.7%
SAU800258	VCH100222	25%	17.1%	36.7%
SAU800258	YPS001811	26%	35.1%	63.5%
SAU800259	ABA105031	33%	25%	42.1%
SAU800259	ABA103514	36%	19.6%	39.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800259	BAN105960	33%	97.8%	95.4%
SAU800259	BAN111821	35%	97.8%	95.3%
SAU800259	BFR104894	30%	96.0%	90.6%
SAU800259	CAC102864	27%	99.6%	95.4%
SAU800259	CBO103379	26%	99.1%	98.3%
SAU800259	EBC101849	27%	99.1%	97.7%
SAU800259	ECO104099	26%	99.1%	97.7%
SAU800259	HIN101642	27%	96.4%	95.1%
SAU800259	KPN301645	27%	99.1%	97.7%
SAU800259	NGO101099	28%	64.7%	88.5%
SAU800259	NME201436	28%	64.7%	88.5%
SAU800259	SPA102874	28%	99.1%	97.7%
SAU800259	STY103825	27%	99.1%	97.7%
SAU800259	SAU800259	100%	100%	100%
SAU800259	SEP200713	64%	100%	100%
SAU800259	SHA100275	56%	98.2%	94.0%
SAU800259	YPS002190	29%	97.8%	96.4%
SAU800260	ABA104881	28%	35.4%	51.2%
SAU800260	BAN112193	36%	100%	98.7%
SAU800260	BAN103268	47%	100%	98.6%
SAU800260	BFR100093	32%	21.7%	64.8%
SAU800260	BFR105927	30%	25%	41.9%
SAU800260	BFR100037	26%	37.7%	66.1%
SAU800260	BFR102275	31%	34.2%	47.6%
SAU800260	BMA107268	28%	35.4%	42.3%
SAU800260	CBO102259	28%	97.9%	98.7%
SAU800260	CDF102594	32%	19.0%	11.5%
SAU800260	EBC101862	29%	98.8%	97.5%
SAU800260	EFA201465	55%	99.7%	98.8%
SAU800260	ECO102085	33%	88.2%	89.7%
SAU800260	KPN304497	30%	88.0%	87.5%
SAU800260	MLP100485	23%	34.2%	36.8%
SAU800260	PRT100975	31%	90.2%	91.0%
SAU800260	PAE205257	30%	32.0%	48.9%
SAU800260	PSY101223	29%	37.3%	58.9%
SAU800260	SPA101285	31%	69.7%	90.6%
SAU800260	STY104209	32%	88.2%	89.7%
SAU800260	SAU800260	100%	100%	100%
SAU800260	SEP201115	62%	100%	98.6%
SAU800260	SHA101627	60%	100%	99.8%
SAU800260	SMU100699	42%	99.5%	99.0%
SAU800260	SPY201225	30%	30.1%	30.7%
SAU800260	UUR100332	31%	14.4%	25.4%
SAU800260	VCH100681	34%	96.4%	96.6%
SAU800260	YPS002393	30%	96.6%	95.6%
SAU800261	ABA105148	27%	90.7%	90.2%
SAU800261	BAN111111	33%	30.1%	32.7%
SAU800261	BAN106990	23%	81.3%	97.5%
SAU800261	BAN100847	26%	99.6%	100%
SAU800261	BAN109397	41%	87.0%	95.5%
SAU800261	BAN108013	43%	97.6%	97.6%
SAU800261	BFR101022	26%	90.2%	92.2%
SAU800261	BFR102850	28%	88.2%	93.5%
SAU800261	BMA102889	25%	73.2%	83.2%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800261	CAC100960	32%	93.9%	92.9%
SAU800261	CBO102381	31%	99.6%	98.8%
SAU800261	CDF100237	26%	85.8%	83.5%
SAU800261	CDF102273	26%	85.8%	83.7%
SAU800261	CDF104306	34%	97.6%	98.0%
SAU800261	EBC101861	31%	97.6%	97.9%
SAU800261	EFA201466	39%	99.6%	99.6%
SAU800261	ECO102338	31%	97.6%	98.0%
SAU800261	KPN305564	30%	99.6%	99.6%
SAU800261	PRT100974	28%	100%	100%
SAU800261	PAE205256	27%	86.6%	85.9%
SAU800261	PPU105503	27%	86.6%	85.8%
SAU800261	PSY101225	26%	86.6%	85.9%
SAU800261	SPA100641	31%	99.6%	99.6%
SAU800261	STY104207	31%	99.6%	99.6%
SAU800261	SAU800261	100%	100%	100%
SAU800261	SEP201118	56%	99.6%	99.6%
SAU800261	SHA101628	56%	99.6%	99.6%
SAU800261	SMU100697	38%	99.6%	100%
SAU800261	VCH100680	31%	99.2%	98.7%
SAU800261	YPS003402	30%	99.6%	99.2%
SAU800265	SAU800265	100%	100%	100%
SAU800266	BCE112960	30%	12.3%	27.8%
SAU800266	CAC102672	53%	98.3%	97.9%
SAU800266	CBO101233	51%	99.4%	99.8%
SAU800266	CDF104152	58%	99.6%	97.5%
SAU800266	EBC102957	61%	99.4%	99.0%
SAU800266	EFA201872	61%	100%	100%
SAU800266	EFM200012	50%	100%	100%
SAU800266	ECO102837	60%	99.4%	98.5%
SAU800266	HPY100481	23%	28.5%	20.1%
SAU800266	KPN302322	61%	99.4%	99.0%
SAU800266	LMO101366	52%	99.2%	98.5%
SAU800266	PAE202235	23%	23.2%	24.4%
SAU800266	SPA102065	60%	99.4%	99.8%
SAU800266	STY104157	60%	99.4%	99.0%
SAU800266	STM100453	60%	99.4%	99.0%
SAU800266	SAU800266	100%	100%	100%
SAU800266	SMU101099	59%	100%	100%
SAU800266	SPN400276	59%	100%	99.8%
SAU800266	SPY200413	50%	98.5%	97.5%
SAU800266	VCH101534	59%	99.2%	98.7%
SAU800266	YPS000320	61%	99.6%	99.2%
SAU800275	BAN105787	31%	91.5%	95.9%
SAU800275	BAN100216	31%	95.5%	96.3%
SAU800275	BFR10144	27%	80.3%	76.3%
SAU800275	BPT100089	23%	84.2%	73.0%
SAU800275	EFA201193	26%	95.5%	96.3%
SAU800275	EFM200963	30%	57.9%	97.4%
SAU800275	EFM201908	28%	93.9%	95.1%
SAU800275	LPN102698	25%	84.8%	77.1%
SAU800275	LMO102567	33%	98.8%	99.7%
SAU800275	PRT102323	23%	78.5%	76.9%
SAU800275	STY104246	21%	88.2%	85.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800275	STM100292	24%	69.1%	65.3%
SAU800275	SAU800275	100%	100%	100%
SAU800275	SEP200129	39%	97.0%	97.5%
SAU800275	SHA102499	57%	96.1%	96.6%
SAU800275	VCH103597	24%	87.6%	75.7%
SAU800276	ABA104564	35%	34.2%	61.2%
SAU800276	ABA104278	38%	35.4%	47.0%
SAU800276	BAN102443	32%	23.4%	78.4%
SAU800276	BAN107541	39%	17.7%	75.3%
SAU800276	BAN102744	31%	32.9%	47.0%
SAU800276	BAN105155	33%	32.9%	33.8%
SAU800276	BAN105190	35%	31.3%	46.1%
SAU800276	BAN106068	33%	34.2%	70.7%
SAU800276	BAN110711	32%	32.9%	24.3%
SAU800276	BAN105770	24%	90.8%	53.5%
SAU800276	BFR104439	36%	32.6%	30.1%
SAU800276	BPT100952	25%	32.9%	34.0%
SAU800276	BPT102841	42%	27.2%	18.3%
SAU800276	BBU100261	40%	28.8%	21.6%
SAU800276	BCE109741	33%	34.8%	45.2%
SAU800276	BFU110700	38%	32.9%	24.1%
SAU800276	BMA106266	34%	32.3%	32.2%
SAU800276	BMA107058	28%	49.1%	54.7%
SAU800276	CJU101140	41%	33.5%	26.2%
SAU800276	CBO103952	34%	27.2%	31.8%
SAU800276	CBO100842	36%	34.2%	32.8%
SAU800276	CDP102682	39%	36.1%	45.4%
SAU800276	EBC101986	44%	31.6%	22.6%
SAU800276	EFA104124	31%	28.8%	10.3%
SAU800276	EFM201027	25%	36.7%	31.5%
SAU800276	ECO101824	46%	31.6%	22.4%
SAU800276	HIN100389	40%	27.2%	17.9%
SAU800276	HPY101521	35%	27.8%	28.6%
SAU800276	HPY101520	39%	27.2%	27.6%
SAU800276	KPN301974	45%	31.6%	21.4%
SAU800276	LPN103304	28%	48.4%	31.2%
SAU800276	LPN100852	28%	33.9%	33.7%
SAU800276	MAV105579	39%	35.8%	47.8%
SAU800276	MBV101965	40%	35.8%	32.5%
SAU800276	MLP100112	36%	35.8%	32.4%
SAU800276	MTU200941	40%	35.8%	32.5%
SAU800276	NME100252	38%	33.9%	62.0%
SAU800276	PMU100243	32%	48.4%	26.0%
SAU800276	PRT104826	42%	31.6%	22.4%
SAU800276	PAE205358	39%	26.6%	30.1%
SAU800276	PAE204402	41%	28.8%	29.0%
SAU800276	PPU101395	25%	32.9%	35.6%
SAU800276	PSY103768	27%	32.9%	35.8%
SAU800276	SPA101025	45%	31.6%	21.4%
SAU800276	STY102254	45%	31.6%	21.4%
SAU800276	STM104197	29%	39.6%	28.1%
SAU800276	SAU800212	41%	41.5%	69.8%
SAU800276	SAU800276	100%	100%	100%
SAU800276	SHA101766	42%	43.0%	75.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800276	TPA100698	30%	29.1%	29.2%
SAU800276	VCH103759	29%	36.4%	33.1%
SAU800276	VCH100495	40%	27.2%	19.7%
SAU800276	VCH100828	37%	27.2%	28.1%
SAU800276	VCH102815	33%	41.1%	30%
SAU800276	YPS003469	44%	31.6%	22.5%
SAU800283	BPT100278	22%	13.4%	48.4%
SAU800283	CAC101825	20%	80.8%	94.0%
SAU800283	EFA104022	20%	99.0%	98.2%
SAU800283	KPN303530	19%	14.8%	32.5%
SAU800283	LMO100848	22%	99.9%	99.3%
SAU800283	PPU108475	20%	11.9%	38.6%
SAU800283	SAU800283	100%	100%	100%
SAU800283	SPY100981	23%	21.1%	94.5%
SAU800283	VCH103001	21%	9.5%	14.9%
SAU800283	VCH102911	23%	11.9%	19.3%
SAU800283	VCH100506	26%	12.9%	20.8%
SAU800286	ABA101446	26%	17.8%	27.9%
SAU800286	BCE101210	26%	18.7%	91.2%
SAU800286	BFU105853	34%	7.0%	72.3%
SAU800286	CJU101537	25%	22.3%	35.6%
SAU800286	CAC102758	24%	79.7%	96.8%
SAU800286	CBO102824	25%	48.2%	68.4%
SAU800286	CBO100018	24%	48.6%	66.9%
SAU800286	EFA101293	24%	72.7%	80.5%
SAU800286	EFM201359	21%	43.0%	26.6%
SAU800286	HPY100503	30%	11.7%	4.6%
SAU800286	HPY100850	35%	15.8%	15.9%
SAU800286	LMO101757	28%	84.5%	93.7%
SAU800286	MCA103136	27%	13.3%	37.1%
SAU800286	PAE200936	32%	15.3%	36.9%
SAU800286	SPA101872	25%	16.9%	61.5%
SAU800286	SAU800286	100%	100%	100%
SAU800286	UUR100158	29%	26.6%	59.3%
SAU800287	BBU100078	28%	24.8%	59.5%
SAU800287	SAU800287	100%	100%	100%
SAU800287	SPY200883	28%	19.3%	54.1%
SAU800292	SAU800292	100%	100%	100%
SAU800293	BAN113454	21%	29.0%	49.1%
SAU800293	CBO103647	23%	21.7%	75%
SAU800293	ECO204585	24%	30.9%	55.1%
SAU800293	LMO101645	26%	46.9%	48.8%
SAU800293	NME102132	41%	22.8%	4.8%
SAU800293	SAU800293	100%	100%	100%
SAU800293	SEP201736	72%	27.2%	97.7%
SAU800304	CPN200460	29%	54.5%	36.0%
SAU800304	CTR100067	25%	59.1%	10.5%
SAU800304	CDP102359	30%	49.2%	44.4%
SAU800304	LMO101154	25%	94.7%	94.7%
SAU800304	SAU800304	100%	100%	100%
SAU800304	SEP201470	44%	94.7%	91.9%
SAU800305	ABA104491	20%	84.3%	82.8%
SAU800305	BAN107562	26%	89.1%	96.9%
SAU800305	BAN109607	31%	89.1%	86.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800305	CDF101129	25%	81.0%	78.4%
SAU800305	CDP101732	29%	93.1%	96.6%
SAU800305	EFA202014	32%	92.0%	95.1%
SAU800305	ECO100879	27%	88.3%	90.5%
SAU800305	KPN301831	29%	88.3%	90.5%
SAU800305	LMO100297	33%	90.5%	94.0%
SAU800305	MAV102148	19%	88.3%	79.6%
SAU800305	SPA100790	27%	88.3%	90.5%
SAU800305	STY102906	28%	88.3%	90.5%
SAU800305	SAU800305	100%	100%	100%
SAU800305	TPA100147	22%	53.6%	77.7%
SAU800306	BAN105396	32%	42.8%	93.9%
SAU800306	BAN108451	37%	48.3%	90.9%
SAU800306	BAN104682	33%	75.9%	76.3%
SAU800306	BAN111826	36%	94.9%	99.3%
SAU800306	BAN110648	36%	96.3%	95.7%
SAU800306	BAN101686	37%	95.2%	94.1%
SAU800306	BAN102943	39%	94.9%	92.9%
SAU800306	BAN111315	41%	93.8%	94.5%
SAU800306	BAN106066	43%	97.0%	94.2%
SAU800306	CPN100816	29%	84.1%	99.7%
SAU800306	CTR200831	31%	86.2%	93.9%
SAU800306	CDP100585	37%	96.6%	95.2%
SAU800306	EBC101909	34%	97.0%	95.7%
SAU800306	ECO100393	34%	97.0%	95.7%
SAU800306	HIN100217	34%	98.4%	98.6%
SAU800306	KPN304909	34%	97.0%	95.7%
SAU800306	MAV102959	26%	24.8%	24.5%
SAU800306	PRT101268	33%	97.5%	95.1%
SAU800306	PAE111475	32%	98.9%	97.9%
SAU800306	PSY105025	32%	99.1%	97.1%
SAU800306	SPA101111	34%	97.0%	98.4%
SAU800306	STY100358	34%	97.0%	95.7%
SAU800306	STM100030	34%	97.0%	95.7%
SAU800306	SAU800306	100%	100%	100%
SAU800306	YPS002598	34%	98.6%	97.3%
SAU800312	CBO101529	57%	98.7%	99.0%
SAU800312	ECO102124	58%	97.4%	96.2%
SAU800312	LMO102136	64%	98.7%	100%
SAU800312	MAV102083	31%	19.5%	9.2%
SAU800312	SAU800312	100%	100%	100%
SAU800316	BAN105252	30%	98.6%	96.3%
SAU800316	BAN110511	30%	99.0%	96.2%
SAU800316	CDF102875	32%	99.0%	96.6%
SAU800316	CDP102797	28%	97.9%	95.2%
SAU800316	EFM101648	28%	85.3%	99.2%
SAU800316	KPN306186	25%	99.7%	94.9%
SAU800316	LMO102782	30%	99.0%	93.7%
SAU800316	MBV103969	26%	87.1%	80.8%
SAU800316	MLP100628	27%	87.1%	66.0%
SAU800316	MTU202665	26%	87.1%	80.8%
SAU800316	STM106921	29%	99.0%	95.6%
SAU800316	SAU800316	100%	100%	100%
SAU800316	SHA102513	60%	99.7%	99.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800316	SMU101182	24%	99.0%	95.6%
SAU800316	SPN401518	33%	95.5%	91.2%
SAU800316	SPY200188	34%	90.9%	83.0%
SAU800317	BAN102972	21%	90.2%	92.5%
SAU800317	BAN110476	23%	93.2%	92.0%
SAU800317	BFR12282	23%	36.1%	47.6%
SAU800317	BFU112683	29%	68.0%	59.9%
SAU800317	CPN200223	27%	46.6%	37.7%
SAU800317	CTR200669	23%	61.7%	50.3%
SAU800317	CDF101700	30%	95.9%	94.3%
SAU800317	EFA201145	26%	94.7%	93.4%
SAU800317	EFM200491	28%	59.4%	84.4%
SAU800317	EFM201355	27%	89.1%	87.9%
SAU800317	ECO103983	21%	91.7%	84.7%
SAU800317	HPY100844	21%	49.6%	81.2%
SAU800317	KPN303958	27%	86.8%	82.2%
SAU800317	LMO102737	29%	99.2%	98.9%
SAU800317	PMU101714	26%	94.7%	93.1%
SAU800317	PRT104743	28%	87.2%	83.1%
SAU800317	SPA103454	27%	88.7%	91.9%
SAU800317	STY103692	27%	91.4%	87.7%
SAU800317	SAU800317	100%	100%	100%
SAU800317	SHA102514	62%	100%	99.3%
SAU800317	SPN401517	25%	87.6%	83.0%
SAU800317	SPY200189	23%	87.2%	85.1%
SAU800317	YPS000704	28%	91.4%	87.7%
SAU800319	BAN107818	43%	95.2%	98.6%
SAU800319	BAN111398	50%	96.3%	95.0%
SAU800319	CDF101739	25%	28.6%	28.9%
SAU800319	EFM202389	20%	36.6%	29.9%
SAU800319	ECO104218	22%	29.1%	100%
SAU800319	STY104427	23%	29.1%	100%
SAU800319	SAU800319	100%	100%	100%
SAU800319	TPA100874	28%	25.9%	31.8%
SAU800320	ABA100458	27%	28.1%	42.9%
SAU800320	BCE102274	27%	28.7%	39.0%
SAU800320	CJU100372	27%	23.0%	51.4%
SAU800320	EBC101629	27%	12.4%	58.3%
SAU800320	KPN109847	27%	8.0%	64.5%
SAU800320	PRT100002	25%	23.2%	55.4%
SAU800320	STM101419	19%	26.0%	59.5%
SAU800320	SAU800320	100%	100%	100%
SAU800320	SEP200085	43%	95.9%	98.7%
SAU800320	SEP201313	44%	97.7%	100%
SAU800322	ABA101390	28%	81.7%	89.1%
SAU800322	MCA102847	29%	82.7%	44.3%
SAU800322	MAV101742	24%	81.2%	85.9%
SAU800322	PRT105900	28%	87.0%	50%
SAU800322	SAU800322	100%	100%	100%
SAU800322	SHA101400	73%	99.2%	100%
SAU800322	SPY200933	56%	98.7%	98.7%
SAU800322	YPS001892	28%	82.7%	47.1%
SAU800323	BAN101807	34%	99.4%	99.4%
SAU800323	BAN104655	36%	99.7%	99.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800323	BFU101224	35%	99.7%	97.3%
SAU800323	EBC102047	31%	99.4%	99.1%
SAU800323	EFA200166	34%	87.7%	88.1%
SAU800323	EFM201597	31%	35.1%	32.1%
SAU800323	KPN306260	32%	99.1%	96.4%
SAU800323	LMO101467	30%	98.8%	96.7%
SAU800323	MBV103301	33%	23.4%	21.1%
SAU800323	MTU203566	26%	50.8%	45.8%
SAU800323	SAU800323	100%	100%	100%
SAU800323	SEP202024	35%	98.5%	100%
SAU800323	SHA101401	57%	98.8%	99.1%
SAU800323	SPY200932	42%	99.7%	99.4%
SAU800324	EFM200400	32%	58.2%	75.3%
SAU800324	SAU800324	100%	100%	100%
SAU800324	SHA101402	74%	99.1%	96.5%
SAU800324	SPY200931	60%	100%	100%
SAU800325	BCE104123	39%	64.3%	91.4%
SAU800325	BFU108796	40%	64.3%	87.4%
SAU800325	BMA108179	41%	64.3%	86.2%
SAU800325	CBO100447	36%	67.7%	95.6%
SAU800325	CDF100524	40%	91.7%	90.2%
SAU800325	CDF102828	40%	91.7%	90.2%
SAU800325	CDP102191	30%	50.8%	52.8%
SAU800325	EBC100310	37%	46.2%	94.5%
SAU800325	ECO101018	38%	67.7%	97.2%
SAU800325	KPN300929	40%	63.9%	92.6%
SAU800325	LMO101460	37%	66.9%	97.7%
SAU800325	MBV104961	26%	65.0%	91.8%
SAU800325	MTU201866	26%	67.3%	49.0%
SAU800325	PAE203691	39%	65.0%	93.1%
SAU800325	SPA101879	38%	65.8%	95.4%
SAU800325	STY102451	38%	66.9%	91.4%
SAU800325	STM102273	38%	66.9%	95.0%
SAU800325	SAU800325	100%	100%	100%
SAU800325	SHA101403	67%	96.6%	97.4%
SAU800325	SMU100880	52%	20.7%	88.5%
SAU800325	SPY200930	47%	88.3%	88.5%
SAU800329	BFR104541	22%	42.2%	43.2%
SAU800329	BFU101821	27%	26.6%	34.2%
SAU800329	CJU100192	23%	21.4%	17.7%
SAU800329	CBO101651	46%	87.5%	95.8%
SAU800329	CDF103467	42%	93.1%	99.3%
SAU800329	CDP101502	46%	97.8%	87.5%
SAU800329	EBC103032	60%	93.1%	89.7%
SAU800329	EFA202094	53%	99.3%	98.7%
SAU800329	EFM202208	51%	99.1%	98.0%
SAU800329	ECO104083	28%	84.2%	79.1%
SAU800329	KPN300829	54%	92.6%	99.8%
SAU800329	LMO101576	39%	94.9%	100%
SAU800329	MPN100347	26%	85.9%	65.6%
SAU800329	PMU100764	27%	83.9%	61.1%
SAU800329	PRT101595	59%	91.5%	97.8%
SAU800329	PAE201072	22%	41.3%	49.5%
SAU800329	SPA102151	59%	93.1%	99.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800329	STY100986	57%	98.2%	95.9%
SAU800329	STM103582	27%	84.2%	80.5%
SAU800329	SAU800329	100%	100%	100%
SAU800329	SMU101548	27%	95.3%	74.4%
SAU800329	SPN401935	55%	98.9%	98.9%
SAU800329	SPY201500	47%	83.9%	92.0%
SAU800329	VCH102979	27%	83.5%	64.8%
SAU800329	YPS002467	58%	91.5%	97.8%
SAU800331	CBO103205	29%	95.2%	20.2%
SAU800331	CBO101804	34%	89.8%	91.7%
SAU800331	CDP101500	31%	95.9%	53.0%
SAU800331	EBC103030	38%	91.8%	92.5%
SAU800331	EFM101075	42%	74.1%	16.0%
SAU800331	EFM101390	39%	89.1%	100%
SAU800331	ECO102869	35%	95.2%	95.2%
SAU800331	KPN302210	27%	91.2%	87.7%
SAU800331	MPN100348	30%	79.6%	74.2%
SAU800331	PMU100765	27%	94.6%	92.9%
SAU800331	PRT101596	37%	96.6%	97.3%
SAU800331	SPA102150	38%	93.9%	94.6%
SAU800331	STY100988	38%	93.9%	94.6%
SAU800331	STM103598	29%	90.5%	87.7%
SAU800331	SAU800331	100%	100%	100%
SAU800331	SMU101550	26%	86.4%	78.9%
SAU800331	SPY103087	47%	95.9%	47.9%
SAU800331	VCH102978	32%	83.0%	72.6%
SAU800331	YPS000504	35%	96.6%	97.3%
SAU800332	BAN107904	23%	73.4%	76.7%
SAU800332	BAN107563	25%	73.4%	75.1%
SAU800332	CBO101804	28%	20.1%	87.6%
SAU800332	CBO103205	27%	96.0%	97.0%
SAU800332	CDF102314	27%	80.8%	85.0%
SAU800332	EBC102873	19%	73.0%	74.2%
SAU800332	EFM101032	23%	74.8%	74.3%
SAU800332	KPN303781	21%	91.4%	90.9%
SAU800332	LPN102667	45%	7.1%	83.6%
SAU800332	LPN102202	29%	17.1%	64.9%
SAU800332	SPA101630	21%	73.0%	78.4%
SAU800332	STY103901	21%	73.0%	72.0%
SAU800332	STM104079	21%	73.0%	74.3%
SAU800332	SAU800332	100%	100%	100%
SAU800332	SMU101095	24%	97.1%	98.8%
SAU800332	SPN201210	21%	82.5%	98.4%
SAU800332	TPA100019	26%	10.6%	9.3%
SAU800335	BAN100193	41%	50.7%	80.2%
SAU800335	BAN101506	38%	84.2%	100%
SAU800335	EFA202413	46%	84.2%	88.4%
SAU800335	HPY200316	25%	40.8%	55.4%
SAU800335	LMO100245	48%	87.5%	89.4%
SAU800335	SAU800335	100%	100%	100%
SAU800335	SEP202194	43%	84.2%	77.6%
SAU800335	SHA102099	49%	90.1%	88.8%
SAU800344	ABA102358	24%	61.5%	66.3%
SAU800344	BFR11444	20%	43.7%	50.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800344	BCE100967	23%	39.4%	37.7%
SAU800344	BFU103253	40%	98.9%	90.6%
SAU800344	BMA106672	23%	48.2%	38.2%
SAU800344	CDP100265	35%	94.6%	88.9%
SAU800344	EBC101731	37%	94.6%	85.9%
SAU800344	ECO100993	35%	96.2%	88.2%
SAU800344	KPN300306	37%	27.2%	89.0%
SAU800344	KPN306611	36%	96.2%	87.4%
SAU800344	LMO102378	39%	97.0%	86.0%
SAU800344	MCA101190	50%	91.1%	100%
SAU800344	MAV102154	44%	78.4%	97.7%
SAU800344	MBV101906	21%	56.1%	60.4%
SAU800344	MTU200793	21%	56.1%	57.9%
SAU800344	NGO101923	34%	94.9%	87.2%
SAU800344	NME200265	34%	94.9%	87.2%
SAU800344	PMU100455	23%	29.9%	35.8%
SAU800344	PRT102104	33%	92.7%	84.8%
SAU800344	PSY102854	33%	95.4%	84.3%
SAU800344	SPA100238	25%	37.5%	45.1%
SAU800344	STY101514	25%	37.5%	46.5%
SAU800344	SAU800344	100%	100%	100%
SAU800344	SHA101900	76%	100%	90.9%
SAU800344	SPN401178	48%	91.1%	99.4%
SAU800344	VCH102112	22%	43.7%	51.3%
SAU800344	YPS001606	35%	97.0%	86.4%
SAU800345	ABA102759	23%	31.0%	74.6%
SAU800345	BAN111991	31%	16.1%	73.4%
SAU800345	BPT104464	24%	42.4%	93.6%
SAU800345	BCE111047	22%	42.4%	93.6%
SAU800345	BFU113717	23%	42.4%	93.2%
SAU800345	CJU101563	25%	93.3%	80.0%
SAU800345	EBC100769	25%	27.0%	57.4%
SAU800345	ECO201335	24%	27.0%	57.0%
SAU800345	KPN306701	23%	35.2%	73.2%
SAU800345	LMO100238	27%	70.9%	84.6%
SAU800345	MAV107152	23%	33.3%	59.4%
SAU800345	NGO101920	22%	35.2%	72.7%
SAU800345	NME200263	22%	35.2%	72.4%
SAU800345	PMU100453	23%	81.3%	74.1%
SAU800345	PRT104094	22%	34.9%	72.7%
SAU800345	PAE205243	26%	54.6%	50.6%
SAU800345	PPU109970	25%	59.2%	53.0%
SAU800345	PSY101259	26%	56.9%	52.4%
SAU800345	SAU800345	100%	100%	100%
SAU800345	SHA101901	65%	99.3%	97.9%
SAU800345	SPN401177	25%	34.9%	97.9%
SAU800345	TPA100962	27%	43.3%	56.2%
SAU800345	YPS002530	25%	61.1%	57.1%
SAU800354	ABA101034	40%	99.0%	99.5%
SAU800354	ABA103857	42%	99.0%	99.2%
SAU800354	BAN111220	43%	98.5%	99.5%
SAU800354	BAN104879	46%	99.0%	99.2%
SAU800354	BPT102386	45%	98.7%	98.5%
SAU800354	BBU100109	45%	98.0%	98.2%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800354	BCE104851	56%	99.5%	94.2%
SAU800354	BCE111166	56%	99.5%	88.1%
SAU800354	BFU101491	54%	99.5%	99.2%
SAU800354	BMA108260	54%	99.5%	99.7%
SAU800354	CAC101158	56%	99.5%	99.7%
SAU800354	CBO100684	55%	99.7%	98.7%
SAU800354	CDF104168	58%	99.5%	100%
SAU800354	EBC102878	52%	99.5%	100%
SAU800354	EFA202399	49%	99.5%	47.9%
SAU800354	EFM201919	49%	99.0%	47.2%
SAU800354	ECO102781	52%	99.5%	99.2%
SAU800354	HIN100751	55%	99.5%	99.7%
SAU800354	HPY100681	50%	99.5%	99.7%
SAU800354	KPN302864	52%	99.5%	99.7%
SAU800354	LPN102261	45%	98.2%	98.0%
SAU800354	LMO100288	51%	99.5%	99.7%
SAU800354	MCA100366	43%	98.7%	97.7%
SAU800354	MAV103545	45%	99.0%	99.2%
SAU800354	MBV100409	45%	94.4%	98.9%
SAU800354	MLP100720	46%	99.0%	99.2%
SAU800354	MTU201306	44%	98.0%	99.2%
SAU800354	PRT105123	42%	99.5%	99.7%
SAU800354	PAE201999	55%	99.5%	99.7%
SAU800354	PPU108509	56%	99.5%	100%
SAU800354	PSY105147	55%	99.5%	100%
SAU800354	SPA103450	49%	99.5%	99.5%
SAU800354	STY104079	52%	99.5%	99.7%
SAU800354	SAU800354	100%	100%	100%
SAU800354	SEP201328	72%	100%	99.7%
SAU800354	SHA101317	47%	99.5%	99.5%
SAU800354	SPY200101	58%	98.7%	99.0%
SAU800354	SPY201260	57%	99.0%	99.0%
SAU800354	VCH103412	46%	99.0%	99.3%
SAU800357	ABA104279	24%	51.5%	28.7%
SAU800357	BAN103195	39%	94.8%	96.4%
SAU800357	BAN103240	45%	99.5%	99.7%
SAU800357	BFR10553	27%	45.4%	34.0%
SAU800357	BPT100797	23%	51.5%	59.7%
SAU800357	BCE114553	27%	45.7%	89.9%
SAU800357	BFU115450	25%	45.7%	88.9%
SAU800357	BMA100720	26%	45.7%	88.9%
SAU800357	CJU101127	20%	36.2%	74.5%
SAU800357	CAC102924	30%	95.4%	96.5%
SAU800357	CBO103513	32%	46.7%	36.0%
SAU800357	CDF100988	29%	47.6%	38.1%
SAU800357	CDP101169	29%	45.5%	25.2%
SAU800357	EBC103834	24%	46.8%	26.6%
SAU800357	ECO103913	24%	60.4%	34.0%
SAU800357	HIN101413	21%	37.5%	72.9%
SAU800357	KPN306198	25%	46.8%	26.6%
SAU800357	LMO102309	44%	97.4%	97.6%
SAU800357	MAV101054	25%	51.5%	27.9%
SAU800357	MBV101993	30%	46.5%	25.7%
SAU800357	MLP100812	31%	45.8%	25.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800357	MTU202090	30%	46.5%	25.7%
SAU800357	NGO101306	20%	43.6%	86.3%
SAU800357	NME201051	21%	17.1%	36.3%
SAU800357	PRT102439	25%	48.9%	27.5%
SAU800357	PAE201842	22%	45.7%	25.9%
SAU800357	PPU111491	24%	59.2%	33.2%
SAU800357	PSY102515	25%	52.2%	28.9%
SAU800357	SPA101525	27%	25.6%	15.3%
SAU800357	STY101886	24%	46.8%	26.6%
SAU800357	STM102124	24%	46.8%	26.0%
SAU800357	SAU800357	100%	100%	100%
SAU800357	SEP201333	82%	100%	100%
SAU800357	SHA102223	80%	99.8%	99.8%
SAU800357	SMU100823	48%	99.0%	98.5%
SAU800357	SPN400515	21%	37.8%	77.1%
SAU800357	SPY101914	25%	23.7%	94.3%
SAU800357	VCH100385	24%	46.5%	26.4%
SAU800357	YPS000400	23%	45.8%	26.0%
SAU800359	BAN100591	32%	86.1%	88.7%
SAU800359	BAN100637	45%	98.6%	98.1%
SAU800359	HIN100085	49%	96.7%	93.7%
SAU800359	LMO100536	50%	94.3%	92.5%
SAU800359	PMU100995	51%	96.7%	96.7%
SAU800359	SPA103064	36%	93.2%	94.9%
SAU800359	SAU800359	100%	100%	100%
SAU800359	SEP201335	79%	99.7%	99.7%
SAU800359	SHA102221	78%	99.7%	94.1%
SAU800359	SMU100380	46%	97.3%	97.8%
SAU800359	SPN401376	46%	97.3%	97.8%
SAU800359	SPY101944	49%	55.6%	98.6%
SAU800361	ABA100318	24%	69.6%	66.9%
SAU800361	BAN110623	61%	15.0%	83.0%
SAU800361	BAN108902	36%	99.0%	97.6%
SAU800361	BFR100087	23%	87.7%	81.1%
SAU800361	BPT101346	23%	90.1%	88.0%
SAU800361	BBU100452	24%	85.0%	86.1%
SAU800361	BCE100234	28%	88.1%	68.9%
SAU800361	BFU108672	26%	91.5%	29.3%
SAU800361	BMA106812	25%	89.1%	89.1%
SAU800361	CJU100211	28%	67.6%	30.3%
SAU800361	CAC100165	35%	87.7%	86.8%
SAU800361	CBO103029	29%	90.8%	90.0%
SAU800361	CDF100127	25%	92.2%	87.7%
SAU800361	CDP101252	29%	75.8%	62.3%
SAU800361	EBC100646	29%	87.7%	66.0%
SAU800361	EFA201399	28%	87.4%	84.0%
SAU800361	ECO100784	30%	87.7%	32.1%
SAU800361	HIN100185	24%	67.6%	17.7%
SAU800361	HPY100411	27%	72.4%	36.4%
SAU800361	KPN306689	28%	87.7%	34.5%
SAU800361	LPN103483	25%	66.2%	25.3%
SAU800361	LMO100404	30%	98.0%	100%
SAU800361	MCA101166	28%	63.8%	33.1%
SAU800361	MAV104987	32%	88.7%	84.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800361	MBV105868	28%	85.7%	84.1%
SAU800361	MTU203064	28%	85.7%	84.1%
SAU800361	NGO101935	26%	66.6%	67.4%
SAU800361	NME200271	27%	66.6%	67.4%
SAU800361	PRT101308	24%	66.2%	64.3%
SAU800361	PAE205116	29%	88.7%	34.8%
SAU800361	PPU108041	31%	73.7%	29.9%
SAU800361	PSY102229	27%	96.6%	46.4%
SAU800361	SPA100728	29%	85.0%	90.1%
SAU800361	STY102372	29%	89.1%	34.6%
SAU800361	STM100940	28%	57.0%	46.9%
SAU800361	SAU800361	100%	100%	100%
SAU800361	SEP201337	81%	99.3%	100%
SAU800361	SHA102218	79%	99.0%	99.0%
SAU800361	SMU101383	30%	78.5%	80.4%
SAU800361	SPN401595	36%	63.8%	92.5%
SAU800361	SPY201460	33%	89.1%	92.5%
SAU800361	TPA100813	25%	91.1%	83.7%
SAU800361	VCH101723	32%	34.1%	32.5%
SAU800361	VCH100475	26%	71.0%	70.7%
SAU800361	YPS000193	25%	66.2%	63.7%
SAU800362	BAN100569	62%	91.0%	93.8%
SAU800362	BAN113404	62%	91.0%	93.8%
SAU800362	CAC102242	54%	95.5%	98.5%
SAU800362	CBO103935	61%	88.1%	90.8%
SAU800362	CDF100424	60%	79.1%	86.9%
SAU800362	EFA200740	61%	89.6%	98.4%
SAU800362	EFM200460	61%	82.1%	87.3%
SAU800362	LMO101128	66%	88.1%	86.8%
SAU800362	SAU800362	100%	100%	100%
SAU800362	SEP201338	78%	98.5%	98.5%
SAU800362	SHA102217	89%	98.5%	98.5%
SAU800362	SMU100029	41%	82.1%	98.4%
SAU800362	SPN400003	46%	82.1%	96.9%
SAU800362	SPY200003	48%	82.1%	95.4%
SAU800363	ABA101425	59%	100%	100%
SAU800363	BAN105317	70%	100%	100%
SAU800363	BAN111105	72%	100%	100%
SAU800363	BFR10923	57%	100%	100%
SAU800363	BPT100611	57%	100%	100%
SAU800363	BBU100234	49%	100%	100%
SAU800363	BCE101204	54%	72.1%	99.6%
SAU800363	BFU107336	57%	100%	100%
SAU800363	BMA107174	58%	100%	100%
SAU800363	BMA106380	59%	100%	100%
SAU800363	CJU100860	54%	100%	100%
SAU800363	CPN200430	50%	98.4%	98.4%
SAU800363	CTR200361	50%	98.4%	98.4%
SAU800363	CAC102519	59%	98.6%	99.2%
SAU800363	CBO101443	58%	98.6%	99.2%
SAU800363	CDF104197	57%	98.6%	99.2%
SAU800363	CDP100947	53%	99.2%	99.2%
SAU800363	EBC101805	56%	100%	100%
SAU800363	EFA200741	66%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800363	EFM201649	70%	100%	100%
SAU800363	ECO101176	56%	100%	100%
SAU800363	HIN100373	58%	100%	100%
SAU800363	HPY100562	50%	100%	100%
SAU800363	KPN303463	55%	100%	100%
SAU800363	LMO102508	73%	100%	100%
SAU800363	MCA100084	58%	100%	100%
SAU800363	MAV103275	50%	98.1%	100%
SAU800363	MBV104670	50%	100%	100%
SAU800363	MLP101176	49%	99.2%	99.4%
SAU800363	MTU201097	51%	100%	100%
SAU800363	MGE100024	46%	99.5%	99.5%
SAU800363	MPN100128	47%	95.1%	96.4%
SAU800363	NGO101754	58%	100%	100%
SAU800363	NME200574	59%	100%	100%
SAU800363	PMU100163	58%	100%	100%
SAU800363	PRT101359	57%	100%	100%
SAU800363	PAE204670	58%	100%	100%
SAU800363	PPU104095	58%	100%	100%
SAU800363	PSY102435	57%	100%	100%
SAU800363	SPA102146	55%	100%	100%
SAU800363	STY101686	55%	100%	100%
SAU800363	STM101482	55%	100%	100%
SAU800363	SAU800363	100%	100%	100%
SAU800363	SEP201339	94%	100%	100%
SAU800363	SHA102216	92%	100%	100%
SAU800363	SMU100030	67%	100%	100%
SAU800363	SPN400004	69%	100%	100%
SAU800363	SPY200004	67%	100%	100%
SAU800363	TPA100123	48%	100%	100%
SAU800363	UUR100602	56%	100%	99.5%
SAU800363	VCH102152	58%	100%	94.8%
SAU800363	YPS003231	56%	100%	100%
SAU800366	ABA105929	30%	99.4%	98.4%
SAU800366	BAN105418	57%	100%	100%
SAU800366	BAN102675	63%	100%	100%
SAU800366	BFR100085	32%	64.7%	70.7%
SAU800366	BFR10599	29%	99.4%	98.7%
SAU800366	BPT100946	32%	76.6%	67.6%
SAU800366	BBU100114	32%	59.9%	68.5%
SAU800366	BCE112892	30%	99.4%	98.4%
SAU800366	BFU103395	32%	99.4%	98.3%
SAU800366	BMA103994	35%	82.0%	69.1%
SAU800366	CJU100997	33%	92.8%	85.8%
SAU800366	CPN200363	26%	73.1%	77.5%
SAU800366	CTR200309	27%	74.3%	76.9%
SAU800366	CAC102955	47%	62.9%	96.4%
SAU800366	CAC103317	50%	61.7%	77.4%
SAU800366	CAC101327	43%	99.4%	100%
SAU800366	CBO103395	40%	62.9%	92.9%
SAU800366	CBO103707	43%	99.4%	100%
SAU800366	CDF104218	30%	69.5%	84.8%
SAU800366	CDF103030	39%	71.9%	84.0%
SAU800366	CDP100636	31%	97.6%	95.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800366	CDP100782	32%	97.6%	96.4%
SAU800366	EBC104214	34%	99.4%	97.2%
SAU800366	EFA201268	48%	100%	100%
SAU800366	EFA200661	51%	100%	100%
SAU800366	EFA200122	43%	65.3%	69.0%
SAU800366	EFA201230	39%	79.0%	95.7%
SAU800366	EFA200024	52%	100%	100%
SAU800366	EFA200067	48%	100%	100%
SAU800366	EFM202042	51%	100%	100%
SAU800366	ECO103953	32%	99.4%	97.2%
SAU800366	HIN100237	35%	99.4%	98.2%
SAU800366	HPY101228	31%	100%	100%
SAU800366	KPN301041	33%	99.4%	96.9%
SAU800366	KPN308310	34%	99.4%	97.1%
SAU800366	LPN103463	31%	70.1%	84.3%
SAU800366	LMO100923	60%	100%	100%
SAU800366	LMO101733	59%	100%	100%
SAU800366	MCA100569	30%	93.4%	74.2%
SAU800366	MAV101548	36%	97.6%	96.4%
SAU800366	MBV106247	35%	97.6%	96.3%
SAU800366	MLP101584	34%	97.6%	96.4%
SAU800366	MTU200054	35%	97.6%	96.3%
SAU800366	MGE100093	25%	65.3%	65.6%
SAU800366	NGO100403	28%	99.4%	98.9%
SAU800366	NME201532	30%	99.4%	98.9%
SAU800366	PMU101950	32%	99.4%	98.2%
SAU800366	PRT100733	28%	99.4%	87.9%
SAU800366	PRT101487	32%	99.4%	97.1%
SAU800366	PAE204230	28%	99.4%	97.6%
SAU800366	PPU104550	29%	99.4%	97.8%
SAU800366	PSY105770	29%	99.4%	97.9%
SAU800366	STY102277	30%	99.4%	97.2%
SAU800366	STM102829	30%	99.4%	97.2%
SAU800366	SAU800366	100%	100%	100%
SAU800366	SEP201353	90%	100%	100%
SAU800366	SHA101079	88%	100%	100%
SAU800366	SMU101251	53%	100%	100%
SAU800366	SPN401394	50%	100%	100%
SAU800366	SPY201407	54%	100%	100%
SAU800366	TPA100061	35%	61.1%	58.0%
SAU800366	UUR100559	35%	92.2%	89.2%
SAU800366	VCH100392	32%	99.4%	97.2%
SAU800366	YPS002815	33%	99.4%	97.3%
SAU800367	ABA105585	55%	81.2%	86.7%
SAU800367	BAN110583	78%	97.5%	100%
SAU800367	BAN103323	78%	97.5%	100%
SAU800367	BFR100885	58%	85%	75.6%
SAU800367	BPT101387	60%	81.2%	72.2%
SAU800367	BBU100113	59%	83.8%	68.8%
SAU800367	BCE105745	62%	87.5%	76.9%
SAU800367	BFU105922	60%	87.5%	76.9%
SAU800367	BMA104982	62%	87.5%	76.9%
SAU800367	CJU100998	54%	85%	79.1%
SAU800367	CPN200890	55%	87.5%	85.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800367	CTR200180	55%	87.5%	86.4%
SAU800367	CAC102549	54%	88.8%	82.2%
SAU800367	CBO100272	56%	97.5%	100%
SAU800367	CDF103531	60%	82.5%	88%
SAU800367	CDP100127	50%	81.2%	79.3%
SAU800367	EBC103610	58%	87.5%	93.3%
SAU800367	EFA200660	76%	93.8%	94.9%
SAU800367	EFM100455	72%	92.5%	94.9%
SAU800367	ECO104092	58%	87.5%	93.3%
SAU800367	HIN100524	60%	87.5%	93.3%
SAU800367	HPY101227	50%	88.8%	83.5%
SAU800367	KPN300649	58%	87.5%	93.3%
SAU800367	LPN101987	56%	81.2%	86.7%
SAU800367	LMO102748	86%	100%	100%
SAU800367	MCA101348	70%	81.2%	86.7%
SAU800367	MAV101549	49%	88.8%	82.1%
SAU800367	MBV106246	49%	88.8%	82.1%
SAU800367	MLP101583	49%	88.8%	82.1%
SAU800367	MTU200055	49%	88.8%	82.1%
SAU800367	MGE100094	44%	92.5%	71.4%
SAU800367	MPN100601	48%	86.2%	67.3%
SAU800367	NGO100183	55%	87.5%	92.1%
SAU800367	NME201394	55%	87.5%	92.1%
SAU800367	PMU101178	58%	87.5%	93.3%
SAU800367	PRT102061	58%	87.5%	93.3%
SAU800367	PAE204929	64%	81.2%	85.5%
SAU800367	PPU106680	60%	81.2%	85.5%
SAU800367	PSY101038	60%	81.2%	85.5%
SAU800367	SPA102211	58%	87.5%	93.3%
SAU800367	STY103813	58%	87.5%	93.3%
SAU800367	STM103619	58%	87.5%	93.3%
SAU800367	SAU800367	100%	100%	100%
SAU800367	SEP201354	98%	100%	100%
SAU800367	SHA101080	97%	98.8%	98.8%
SAU800367	SMU101249	73%	92.5%	94.9%
SAU800367	SPN401393	73%	92.5%	94.9%
SAU800367	SPY201406	73%	92.5%	94.9%
SAU800367	TPA100060	58%	85%	67.7%
SAU800367	UUR100558	59%	90%	91.1%
SAU800367	VCH100363	61%	87.5%	93.3%
SAU800367	YPS002204	57%	87.5%	93.3%
SAU800381	ABA101855	66%	100%	100%
SAU800381	BAN104173	69%	100%	100%
SAU800381	BAN109661	71%	100%	100%
SAU800381	BFR103076	52%	98.9%	98.4%
SAU800381	BPT100672	27%	94.7%	100%
SAU800381	BCE101880	60%	100%	100%
SAU800381	BFU100212	27%	94.7%	100%
SAU800381	BMA108642	61%	55.0%	100%
SAU800381	CJU100303	32%	91.5%	88.4%
SAU800381	CPN201075	33%	95.8%	87.0%
SAU800381	CTR200881	31%	95.2%	92.3%
SAU800381	CDF101278	25%	80.4%	75.2%
SAU800381	CDP100348	32%	84.1%	77.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800381	EBC102622	54%	18.5%	76.7%
SAU800381	EBC101884	64%	100%	100%
SAU800381	EFA200823	49%	100%	100%
SAU800381	EFM201621	70%	100%	100%
SAU800381	ECO100595	64%	100%	100%
SAU800381	HPY101540	34%	80.4%	77.3%
SAU800381	KPN303362	65%	100%	100%
SAU800381	LPN101816	38%	77.8%	74.1%
SAU800381	LMO100436	30%	93.7%	97.2%
SAU800381	MCA100901	57%	99.5%	98.9%
SAU800381	MAV102705	33%	84.1%	78.5%
SAU800381	MBV104411	30%	85.7%	80%
SAU800381	MLP101237	31%	84.1%	78.5%
SAU800381	MTU202392	30%	85.7%	80%
SAU800381	PMU100795	33%	99.5%	95.5%
SAU800381	PRT101090	64%	100%	100%
SAU800381	PAE200139	54%	100%	100%
SAU800381	PPU110126	61%	100%	100%
SAU800381	PSY108771	63%	100%	100%
SAU800381	SPA103041	65%	100%	100%
SAU800381	STY101396	65%	100%	100%
SAU800381	STM101128	65%	100%	100%
SAU800381	SAU800381	100%	100%	100%
SAU800381	SEP201361	89%	100%	100%
SAU800381	SHA101943	89%	100%	100%
SAU800381	SMU100048	68%	100%	100%
SAU800381	SPY201587	72%	100%	100%
SAU800381	TPA100505	50%	99.5%	98.9%
SAU800381	VCH100718	35%	92.6%	86.0%
SAU800381	YPS002559	34%	99.5%	95.5%
SAU800385	BAN110051	23%	74.8%	89.6%
SAU800385	SAU800385	100%	100%	100%
SAU800385	SEP201365	54%	100%	100%
SAU800385	SHA101939	68%	64.2%	90.4%
SAU800391	ABA102375	54%	98.8%	98.5%
SAU800391	BAN110434	65%	97.7%	100%
SAU800391	BAN108119	74%	98.2%	100%
SAU800391	BFR102934	51%	98.8%	99.8%
SAU800391	BPT100393	50%	98.2%	99.2%
SAU800391	BCE109939	50%	80.9%	95.3%
SAU800391	BFU101706	50%	98.2%	99.2%
SAU800391	BMA101765	49%	98.2%	99.3%
SAU800391	CJU101173	53%	98.2%	99.0%
SAU800391	CPN200587	50%	17.0%	1.2%
SAU800391	CTR200435	47%	98.2%	99.4%
SAU800391	CAC100661	62%	99.0%	99.8%
SAU800391	CBO101640	62%	98.8%	99.6%
SAU800391	CDF101488	59%	99.0%	99.8%
SAU800391	CDP100097	50%	99.8%	97.0%
SAU800391	EBC101429	51%	98.2%	98.3%
SAU800391	EFA202372	74%	98.6%	98.1%
SAU800391	EFM201769	72%	92.6%	99.6%
SAU800391	EFM201384	73%	98.6%	98.1%
SAU800391	ECO102458	51%	98.2%	98.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800391	HIN100213	53%	98.2%	98.5%
SAU800391	HPY100405	52%	98.4%	100%
SAU800391	KPN307676	51%	81.5%	98.6%
SAU800391	LPN102408	49%	98.2%	98.5%
SAU800391	LMO101666	75%	99.0%	98.3%
SAU800391	MCA101385	54%	98.8%	99.0%
SAU800391	MAV100005	51%	98.2%	97.0%
SAU800391	MBV100875	50%	98.2%	100%
SAU800391	MLP100255	48%	98.2%	97.0%
SAU800391	MTU203350	50%	98.2%	97.0%
SAU800391	NGO101384	53%	98.8%	99.6%
SAU800391	NME200495	53%	98.8%	99.6%
SAU800391	PMU100293	53%	98.2%	98.5%
SAU800391	PRT100492	51%	98.2%	96.3%
SAU800391	PAE203766	52%	98.2%	98.3%
SAU800391	PPU112124	51%	98.2%	98.3%
SAU800391	PSY101574	50%	98.2%	98.3%
SAU800391	SPA101779	50%	81.5%	98.6%
SAU800391	STY101683	51%	98.2%	98.3%
SAU800391	SAU800391	100%	100%	100%
SAU800391	SEP201376	95%	100%	99.6%
SAU800391	SHA101225	94%	100%	100%
SAU800391	SMU100269	69%	99.2%	95.9%
SAU800391	SPN401299	70%	99.2%	98.5%
SAU800391	SPY200919	68%	100%	99.4%
SAU800391	VCH100755	52%	98.2%	98.3%
SAU800391	YPS003193	50%	98.2%	98.3%
SAU800422	BFU106271	44%	15.0%	11.4%
SAU800422	SAU800428	34%	99.6%	99.6%
SAU800422	SAU800427	36%	100%	100%
SAU800422	SAU800423	33%	100%	99.1%
SAU800422	SAU800424	40%	1.3%	36.2%
SAU800422	SAU801167	29%	78.8%	76.3%
SAU800422	SAU800429	37%	100%	100%
SAU800422	SAU800426	37%	98.7%	97.8%
SAU800422	SAU800425	42%	97.8%	97.9%
SAU800422	SAU800433	45%	99.6%	100%
SAU800422	SAU800422	100%	100%	100%
SAU800424	BMA104162	27%	30.3%	64%
SAU800424	SAU800425	38%	37.1%	3.4%
SAU800424	SAU800427	39%	57.3%	89.2%
SAU800424	SAU800426	37%	35.1%	0.9%
SAU800424	SAU800428	39%	39.6%	6.9%
SAU800424	SAU800429	34%	32.0%	8.4%
SAU800424	SAU800422	40%	36.2%	1.3%
SAU800424	SAU800433	41%	27.8%	8.4%
SAU800424	SAU800423	42%	28.4%	7.4%
SAU800424	SAU800424	100%	100%	100%
SAU800424	SPY103617	30%	28.9%	41.5%
SAU800431	BFR11892	34%	42.9%	75.9%
SAU800431	BFR10375	25%	97.7%	97.7%
SAU800431	BCE102742	30%	33.4%	49.3%
SAU800431	BFU103170	29%	96.7%	98.8%
SAU800431	CJU101462	28%	98.3%	99.6%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800431	CAC100937	22%	34.7%	35.4%
SAU800431	CBO103378	25%	68.1%	74.8%
SAU800431	CDF101426	21%	61.6%	49.7%
SAU800431	CDF103132	23%	39.0%	16.4%
SAU800431	CDP101424	28%	96.3%	94.0%
SAU800431	EBC104005	30%	62.5%	54.7%
SAU800431	EFA102283	48%	95.4%	94.5%
SAU800431	EFM201652	39%	20.5%	86.6%
SAU800431	EFM201984	49%	95.4%	94.5%
SAU800431	ECO104238	25%	89.4%	83.2%
SAU800431	HIN101255	31%	64.7%	78.6%
SAU800431	HPY100837	41%	97.1%	96.6%
SAU800431	KPN300684	25%	25.3%	51.6%
SAU800431	MCA101426	28%	96.7%	97.4%
SAU800431	MAV103592	26%	47.7%	51.3%
SAU800431	MBV103538	26%	95.2%	95.4%
SAU800431	MTU202719	26%	95.2%	93.0%
SAU800431	MPN100494	38%	96.7%	97.6%
SAU800431	NGO100938	40%	97.7%	99.0%
SAU800431	NME200960	40%	97.3%	98.6%
SAU800431	PMU101537	26%	98.3%	98.6%
SAU800431	PRT102780	35%	94.2%	56.9%
SAU800431	PAE202733	30%	53.9%	41.7%
SAU800431	PPU108596	26%	63.7%	69.3%
SAU800431	PSY104041	27%	96.7%	89.6%
SAU800431	SPA101737	25%	67.2%	95.1%
SAU800431	SAU800431	100%	100%	100%
SAU800431	SAU801808	99%	100%	100%
SAU800431	SEP200633	75%	100%	100%
SAU800431	SMU100858	43%	97.9%	98.7%
SAU800431	SPN400790	27%	66.6%	70.8%
SAU800431	SPY201469	47%	97.3%	96.6%
SAU800431	UUR100097	42%	64.3%	99.4%
SAU800431	VCH101740	29%	52.1%	39.3%
SAU800434	BFU105225	26%	15.8%	38.9%
SAU800434	CDF103349	23%	37.4%	42.8%
SAU800434	EFA202579	22%	25.7%	64.5%
SAU800434	SAU800434	100%	100%	100%
SAU800444	CAC101599	34%	27.7%	17.7%
SAU800444	SAU800444	100%	100%	100%
SAU800444	SEP200083	59%	95.4%	99.6%
SAU800444	SEP200593	61%	88.8%	97.1%
SAU800444	SEP200598	61%	87.7%	97.4%
SAU800444	SEP200597	63%	99.6%	99.2%
SAU800444	SEP200589	61%	99.6%	98.8%
SAU800444	SEP200591	68%	88.1%	97.0%
SAU800444	SEP200552	64%	99.6%	98.9%
SAU800444	SEP200616	62%	99.6%	99.6%
SAU800444	SEP200553	65%	98.8%	98.8%
SAU800452	BAN107958	56%	59.3%	97.0%
SAU800452	EFM100733	72%	13.2%	95.6%
SAU800452	LPN100911	40%	54.0%	54.0%
SAU800452	SAU800452	100%	100%	100%
SAU800452	SEP201389	60%	99.8%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800452	SHA101930	61%	100%	100%
SAU800452	VCH101557	27%	92.7%	90.5%
SAU800453	ABA105190	21%	18.2%	91.5%
SAU800453	BAN108085	57%	5.8%	67.5%
SAU800453	BAN107079	31%	66.0%	95.4%
SAU800453	BAN113237	45%	99.3%	97.3%
SAU800453	LPN100228	41%	8.8%	0.8%
SAU800453	SAU800453	100%	100%	100%
SAU800453	SEP201396	54%	76.1%	96.4%
SAU800453	SHA101932	53%	99.7%	99.2%
SAU800453	VCH101558	31%	15.0%	7.8%
SAU800456	ABA102927	33%	64.3%	69.7%
SAU800456	BFU110052	25%	57.1%	18.6%
SAU800456	CBO103870	29%	70.1%	88%
SAU800456	CDF100442	26%	62.1%	53.3%
SAU800456	HPY100838	30%	89.7%	87.7%
SAU800456	KPN301721	31%	35.7%	36.4%
SAU800456	LMO100275	31%	92.4%	89.2%
SAU800456	PRT105300	22%	56.2%	75.1%
SAU800456	SAU800456	100%	100%	100%
SAU800456	SEP201402	42%	94.2%	91.0%
SAU800456	SHA103066	48%	96.4%	90.4%
SAU800463	ABA101573	63%	96.3%	91.3%
SAU800463	BAN105490	50%	94.1%	93.7%
SAU800463	BAN111994	54%	94.1%	92.8%
SAU800463	BPT103178	54%	93.2%	94.0%
SAU800463	BCE112661	51%	92.7%	95.3%
SAU800463	BFU102065	52%	92.7%	89.0%
SAU800463	BMA106456	51%	92.7%	95.3%
SAU800463	CJU100712	48%	91.8%	66.3%
SAU800463	CPN200472	32%	95.4%	94.6%
SAU800463	CAC101527	51%	98.6%	99.1%
SAU800463	CBO100787	53%	92.2%	94.8%
SAU800463	CDF100530	53%	90.4%	90.8%
SAU800463	CDP100111	46%	94.1%	91.6%
SAU800463	EBC102541	50%	94.1%	94.9%
SAU800463	EFA203652	47%	93.6%	90.7%
SAU800463	EFM202483	46%	94.5%	91.6%
SAU800463	ECO100198	50%	95.0%	95.9%
SAU800463	HPY101554	46%	96.8%	98.1%
SAU800463	KPN300143	69%	73.5%	100%
SAU800463	KPN306822	67%	95.4%	94.1%
SAU800463	LPN101477	53%	93.2%	94.0%
SAU800463	LMO100259	53%	95.0%	94.5%
SAU800463	MCA103062	46%	91.8%	87.8%
SAU800463	NGO101323	44%	93.6%	89.9%
SAU800463	NME200470	45%	93.6%	89.9%
SAU800463	PMU101729	52%	92.2%	88.6%
SAU800463	PRT100130	50%	93.2%	94.0%
SAU800463	PSY103687	45%	95.4%	92.1%
SAU800463	SPA101019	49%	93.2%	93.2%
SAU800463	STY103994	50%	94.1%	97.2%
SAU800463	STM100618	49%	93.2%	93.2%
SAU800463	SAU800463	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800463	SEP201771	86%	100%	100%
SAU800463	TPA100118	40%	93.6%	93.6%
SAU800463	VCH100890	51%	95.4%	92.9%
SAU800463	YPS002016	49%	94.1%	94.9%
SAU800467	ABA102842	27%	81.7%	79.7%
SAU800467	BAN108590	33%	42.7%	51.9%
SAU800467	BAN111498	30%	84.7%	79.7%
SAU800467	BCE103899	30%	67.9%	68.0%
SAU800467	BFU116206	27%	80.9%	51.1%
SAU800467	CDF102548	31%	54.2%	46.8%
SAU800467	EFA203967	29%	85.5%	78.5%
SAU800467	EFM200585	28%	74.0%	35.5%
SAU800467	LPN101940	25%	86.3%	69.9%
SAU800467	LMO100796	26%	69.5%	73.3%
SAU800467	MAV104770	27%	90.8%	78.7%
SAU800467	MBV104110	30%	80.2%	33.6%
SAU800467	MTU203156	30%	80.2%	31.9%
SAU800467	PAE203468	37%	52.7%	44.7%
SAU800467	PPU103432	31%	78.6%	73.0%
SAU800467	PSY105195	30%	70.2%	76.7%
SAU800467	SAU800467	100%	100%	100%
SAU800467	SEP201776	63%	95.4%	97.7%
SAU800467	SHA102842	68%	95.4%	96.9%
SAU800467	SMU100141	41%	38.9%	35.7%
SAU800467	SPN300686	37%	42.7%	37.7%
SAU800467	SPY201162	50%	33.6%	28.5%
SAU800472	ABA100013	40%	3.9%	86.8%
SAU800472	ABA104125	41%	95.8%	97.3%
SAU800472	BAN101583	36%	4.3%	81.8%
SAU800472	BAN104217	27%	78.0%	98.8%
SAU800472	BAN108345	30%	91.9%	93.2%
SAU800472	BPT102078	44%	96.8%	74.2%
SAU800472	BCE113920	44%	97.5%	74.5%
SAU800472	BFU100199	57%	21.7%	99.7%
SAU800472	BMA104976	44%	97.5%	98.6%
SAU800472	CJU100007	47%	98.3%	98.7%
SAU800472	CAC101843	45%	97.1%	98.7%
SAU800472	EBC102948	42%	96.5%	97.6%
SAU800472	ECO103142	41%	96.5%	96.4%
SAU800472	KPN301995	41%	96.5%	98.4%
SAU800472	LMO100872	49%	98.5%	98.6%
SAU800472	MAV104920	45%	98.3%	99.4%
SAU800472	MBV101946	45%	98.3%	99.3%
SAU800472	MLP100042	45%	97.3%	98.4%
SAU800472	MTU203804	45%	98.3%	99.4%
SAU800472	NME301326	30%	6.1%	6.2%
SAU800472	NME300542	30%	6.1%	6.8%
SAU800472	PRT105261	41%	95.7%	97.6%
SAU800472	PAE205031	41%	95.7%	97.9%
SAU800472	PPU102045	40%	94.9%	97.9%
SAU800472	PSY103729	40%	95.7%	97.9%
SAU800472	SPA102415	35%	60.4%	100%
SAU800472	STY101531	41%	96.5%	98.4%
SAU800472	STM101808	41%	96.5%	98.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800472	SAU800472	100%	100%	100%
SAU800472	SEP201790	78%	62.2%	100%
SAU800472	SHA102040	75%	100%	99.8%
SAU800472	SMU100695	44%	96.6%	95.9%
SAU800472	VCH102338	45%	97.1%	97.5%
SAU800472	YPS002267	42%	96.5%	95.2%
SAU800473	ABA100945	32%	92.0%	91.8%
SAU800473	BFR11247	29%	93.0%	57.2%
SAU800473	BMA109760	42%	98.8%	94.9%
SAU800473	CJU100009	43%	99.0%	99.8%
SAU800473	CAC101795	44%	98.8%	98.3%
SAU800473	CBO102837	29%	92.6%	94.1%
SAU800473	CBO101098	28%	92.2%	91.9%
SAU800473	CDF102919	28%	92.8%	93.5%
SAU800473	EBC105166	32%	92.0%	92.4%
SAU800473	EFA201646	28%	92.6%	92.2%
SAU800473	ECO102823	31%	94.3%	69.6%
SAU800473	ECO102419	33%	92.6%	66.8%
SAU800473	KPN306735	33%	94.9%	68.3%
SAU800473	LMO100374	49%	98.8%	98.6%
SAU800473	MAV104921	42%	98.8%	93.7%
SAU800473	MBV101949	42%	98.8%	96.3%
SAU800473	MLP100043	42%	98.8%	96.3%
SAU800473	MTU203803	42%	98.8%	96.3%
SAU800473	PRT105231	34%	92.6%	92.9%
SAU800473	PAE205030	31%	92.0%	90.8%
SAU800473	PPU102730	30%	94.9%	94.7%
SAU800473	PSY103728	31%	94.9%	94.7%
SAU800473	SPA100761	33%	92.0%	94.8%
SAU800473	STY101535	33%	92.0%	92.4%
SAU800473	STM101814	33%	92.0%	92.4%
SAU800473	SAU800473	100%	100%	100%
SAU800473	SEP201791	81%	100%	100%
SAU800473	SHA103074	78%	100%	100%
SAU800473	SMU101812	44%	98.6%	98.5%
SAU800473	TPA100727	28%	92.6%	84.4%
SAU800473	VCH102339	41%	98.8%	96.5%
SAU800473	YPS003815	32%	92.0%	92.4%
SAU800476	BAN103601	35%	97.1%	98.7%
SAU800476	BAN108409	36%	96.7%	99.1%
SAU800476	BPT101634	28%	57.0%	47.4%
SAU800476	CBO103128	34%	97.9%	99.6%
SAU800476	CDF101594	30%	98.8%	99.6%
SAU800476	EFA201525	41%	97.1%	98.3%
SAU800476	ECO204375	21%	96.7%	92.8%
SAU800476	LMO102324	40%	99.2%	100%
SAU800476	MBV104498	35%	23.1%	23.3%
SAU800476	MTU200583	35%	23.1%	23.3%
SAU800476	PPU107953	21%	77.7%	60.7%
SAU800476	SPA103556	24%	71.5%	69.6%
SAU800476	STY104116	24%	71.5%	69.6%
SAU800476	SAU800476	100%	100%	100%
SAU800476	SEP202279	53%	16.9%	100%
SAU800476	SHA102044	65%	97.1%	97.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800476	SMU100634	35%	97.1%	98.3%
SAU800476	SPN401698	33%	97.5%	99.2%
SAU800476	SPY201604	36%	97.9%	99.2%
SAU800476	YPS002288	24%	93.8%	83.0%
SAU800478	ABA103427	35%	68.8%	55.8%
SAU800478	BAN105404	37%	99.3%	99.6%
SAU800478	BAN112023	45%	99.3%	99.6%
SAU800478	BFR11479	43%	61.4%	58.5%
SAU800478	BPT102081	45%	46.0%	34.9%
SAU800478	BBU100460	41%	59.5%	61.6%
SAU800478	BCE106024	45%	46.0%	53.7%
SAU800478	BFU105306	45%	46.0%	44.5%
SAU800478	BMA107161	45%	46.0%	31.5%
SAU800478	CJU101082	38%	52.9%	58.3%
SAU800478	CPN200723	38%	71.0%	93.2%
SAU800478	CTR200603	36%	71.5%	89.9%
SAU800478	CAC103441	35%	99.8%	100%
SAU800478	CBO102854	35%	99.8%	99.4%
SAU800478	CDF100130	35%	94.9%	94.9%
SAU800478	EBC103996	44%	52.7%	46.4%
SAU800478	EFA200326	42%	99.8%	100%
SAU800478	EFM202154	62%	51.2%	98.6%
SAU800478	ECO100461	45%	50.6%	44.5%
SAU800478	HIN101201	44%	50.3%	41.3%
SAU800478	HPY100707	35%	61.6%	58.0%
SAU800478	KPN303900	46%	50.4%	44.9%
SAU800478	LPN103565	31%	26.2%	49.8%
SAU800478	LMO101248	45%	99.6%	100%
SAU800478	MCA102344	44%	46.2%	34.9%
SAU800478	MAV103129	36%	67.6%	60.8%
SAU800478	MBV105819	36%	67.6%	71.4%
SAU800478	MLP101393	32%	83.2%	79.5%
SAU800478	MTU203667	33%	84.1%	81.0%
SAU800478	MGE100430	50%	39.1%	85%
SAU800478	MPN100224	43%	48.1%	39.9%
SAU800478	NGO100173	48%	47.3%	37.8%
SAU800478	NME201516	33%	79.5%	62.6%
SAU800478	PMU100364	45%	50.4%	39.9%
SAU800478	PRT105815	50%	37.5%	100%
SAU800478	PAE201531	42%	50.6%	42.0%
SAU800478	PPU104995	44%	50.6%	41.4%
SAU800478	PSY101776	43%	50.6%	38.9%
SAU800478	SPA100619	40%	31.7%	34.5%
SAU800478	STY100818	44%	52.7%	46.4%
SAU800478	STM100530	44%	52.7%	46.4%
SAU800478	SAU800478	100%	100%	100%
SAU800478	SEP201796	80%	100%	100%
SAU800478	SHA102047	77%	100%	100%
SAU800478	SMU101072	39%	95.9%	96.1%
SAU800478	SPN400769	42%	93.6%	94.7%
SAU800478	SPY201046	39%	96.6%	97.3%
SAU800478	TPA100995	38%	61.4%	62.4%
SAU800478	UUR100085	41%	61.2%	59.0%
SAU800478	VCH101035	43%	50.4%	41.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800478	YPS001746	40%	65.3%	58.1%
SAU800479	ABA104382	37%	93.3%	92.7%
SAU800479	BAN112149	65%	99.0%	96.3%
SAU800479	BPT102093	39%	94.3%	90.7%
SAU800479	BCE114721	42%	94.3%	90.7%
SAU800479	BFU105302	41%	94.3%	89.1%
SAU800479	BMA109392	40%	94.3%	90.7%
SAU800479	CJU101548	28%	72.4%	68.9%
SAU800479	CPN200724	28%	80%	87.5%
SAU800479	CTR200604	32%	86.7%	95.8%
SAU800479	CAC100626	52%	98.1%	92.0%
SAU800479	CBO103837	45%	98.1%	91.2%
SAU800479	CDF100131	51%	100%	83.3%
SAU800479	CDP101573	36%	91.4%	90.6%
SAU800479	EBC103997	38%	96.2%	90.9%
SAU800479	EFA200328	52%	95.2%	96.2%
SAU800479	ECO100462	37%	98.1%	93.6%
SAU800479	HIN100422	36%	98.1%	84.3%
SAU800479	HPY100034	29%	78.1%	82.5%
SAU800479	KPN303902	37%	96.2%	90.9%
SAU800479	LPN101264	41%	93.3%	86.6%
SAU800479	LMO102215	62%	100%	100%
SAU800479	MCA103545	38%	93.3%	91.8%
SAU800479	MAV103140	43%	95.2%	86.2%
SAU800479	MBV105826	44%	89.5%	70.7%
SAU800479	MLP101388	43%	95.2%	86.2%
SAU800479	MTU203662	44%	89.5%	70.7%
SAU800479	MGE100136	25%	92.4%	92%
SAU800479	MPN100560	25%	81.0%	86%
SAU800479	NGO100157	41%	95.2%	91.9%
SAU800479	NME201517	42%	95.2%	91.9%
SAU800479	PMU100205	36%	98.1%	93.6%
SAU800479	PRT100118	36%	98.1%	93.6%
SAU800479	PAE201532	37%	94.3%	90.7%
SAU800479	PPU107254	41%	92.4%	93.4%
SAU800479	PSY100559	36%	94.3%	90.7%
SAU800479	SPA100620	38%	98.1%	93.6%
SAU800479	STY100819	37%	98.1%	93.6%
SAU800479	STM100531	37%	98.1%	93.6%
SAU800479	SAU800479	100%	100%	100%
SAU800479	SEP201798	95%	100%	100%
SAU800479	SHA102048	100%	100%	100%
SAU800479	SMU100730	43%	84.8%	89.9%
SAU800479	SPN401010	42%	84.8%	89.9%
SAU800479	SPY201431	44%	84.8%	89.9%
SAU800479	UUR100086	35%	74.3%	77.8%
SAU800479	VCH101036	40%	98.1%	85%
SAU800479	YPS001743	38%	98.1%	93.6%
SAU800480	ABA105799	50%	19.2%	92.7%
SAU800480	ABA105949	42%	99.0%	99.0%
SAU800480	BAN110697	71%	91.4%	93.8%
SAU800480	BAN100529	76%	96.5%	100%
SAU800480	BAN109015	76%	100%	100%
SAU800480	BFR102681	44%	85.9%	96.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800480	BPT102097	37%	97.0%	95.0%
SAU800480	BCE111406	40%	100%	100%
SAU800480	BFU101488	40%	100%	100%
SAU800480	BMA100948	40%	97.0%	96%
SAU800480	CJU101188	33%	98.0%	97.4%
SAU800480	CPN200453	34%	97.5%	97%
SAU800480	CTR200504	34%	98.5%	96.6%
SAU800480	CAC101114	56%	99.0%	98.5%
SAU800480	CBO102612	58%	99.0%	97.0%
SAU800480	CDF100132	63%	99.0%	97.0%
SAU800480	CDP101575	44%	96.0%	96.8%
SAU800480	EBC103998	42%	95.5%	94.5%
SAU800480	EFA200786	70%	100%	100%
SAU800480	EFM201740	70%	54.0%	100%
SAU800480	ECO100463	41%	95.5%	94.5%
SAU800480	HIN100423	40%	97.0%	96.5%
SAU800480	HPY100909	29%	93.9%	91.7%
SAU800480	KPN303904	43%	90.4%	94.2%
SAU800480	LPN100920	37%	96.5%	97.0%
SAU800480	LMO102835	77%	100%	100%
SAU800480	MCA100147	38%	97.0%	97.0%
SAU800480	MAV103147	46%	97.5%	97.5%
SAU800480	MBV105746	47%	96.0%	96.1%
SAU800480	MLP101387	48%	97.5%	97.5%
SAU800480	MTU203661	47%	96.0%	96.1%
SAU800480	NGO100223	36%	96.5%	92.7%
SAU800480	NME201284	38%	93.9%	90.7%
SAU800480	PMU100206	41%	97.0%	96.5%
SAU800480	PRT104654	43%	96.5%	97.5%
SAU800480	PAE201533	42%	98.5%	98.0%
SAU800480	PPU104991	41%	98.5%	97.5%
SAU800480	PSY101795	41%	98.5%	97.5%
SAU800480	SPA100621	41%	93.9%	93.0%
SAU800480	STY100840	43%	95.5%	94.5%
SAU800480	STM100532	43%	95.5%	94.5%
SAU800480	SAU800480	100%	100%	100%
SAU800480	SEP201800	96%	100%	100%
SAU800480	SHA102049	96%	100%	100%
SAU800480	SMU100733	64%	100%	100%
SAU800480	SPN401515	64%	100%	100%
SAU800480	SPY201089	64%	100%	100%
SAU800480	TPA100994	41%	95.5%	94.0%
SAU800480	UUR100087	29%	100%	99.0%
SAU800480	VCH101037	41%	97.0%	96.5%
SAU800480	YPS001740	43%	94.9%	96.0%
SAU800482	ABA102118	38%	94.1%	98.0%
SAU800482	BAN106730	46%	95.1%	97.1%
SAU800482	BAN100256	52%	95.1%	95.7%
SAU800482	BPT101183	37%	91.2%	89.4%
SAU800482	BBU100792	26%	97.6%	75.5%
SAU800482	BCE110353	36%	91.2%	92.2%
SAU800482	BFU101498	38%	91.2%	92.2%
SAU800482	BMA102521	36%	91.2%	92.2%
SAU800482	CJU100705	25%	97.6%	99.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800482	CPN200479	30%	92.2%	93.7%
SAU800482	CTR200453	34%	92.2%	94.6%
SAU800482	CBO100215	20%	97.1%	93.6%
SAU800482	CDF101052	25%	80.5%	74.8%
SAU800482	CDP100920	26%	94.6%	98.0%
SAU800482	EBC100870	34%	99.0%	97.7%
SAU800482	EFA200788	50%	96.1%	95.3%
SAU800482	EFM200811	52%	84.9%	96.8%
SAU800482	ECO101071	32%	99.5%	98.1%
SAU800482	HIN100436	36%	92.7%	91.4%
SAU800482	HPY101453	31%	71.2%	70.7%
SAU800482	KPN301299	33%	98.0%	96.7%
SAU800482	LPN103622	33%	97.1%	94.8%
SAU800482	LMO100015	48%	97.1%	97.6%
SAU800482	MCA100671	38%	91.2%	92.7%
SAU800482	MAV101386	28%	66.8%	70%
SAU800482	MBV104527	30%	66.8%	68.7%
SAU800482	MLP100468	26%	80.5%	81.4%
SAU800482	MTU203204	30%	66.8%	68.7%
SAU800482	MGE100006	36%	73.7%	72.4%
SAU800482	MPN100148	37%	73.2%	71.9%
SAU800482	NGO100912	35%	91.2%	91.3%
SAU800482	NME200804	35%	91.2%	91.3%
SAU800482	PMU101673	34%	97.1%	82.7%
SAU800482	PRT105498	32%	98.0%	95.3%
SAU800482	PAE202960	37%	98.5%	97.1%
SAU800482	PPU104809	41%	49.8%	86.1%
SAU800482	PSY101689	38%	97.6%	96.2%
SAU800482	SPA100839	34%	96.1%	99.5%
SAU800482	STY102536	34%	99.0%	97.7%
SAU800482	STM102726	34%	99.0%	97.7%
SAU800482	SAU800482	100%	100%	100%
SAU800482	SEP201815	71%	99.0%	100%
SAU800482	SHA101456	72%	99.0%	100%
SAU800482	SMU100347	48%	92.7%	92.0%
SAU800482	SPN400835	49%	92.7%	91.5%
SAU800482	SPY200289	44%	96.6%	96.2%
SAU800482	TPA100350	34%	81.5%	77.9%
SAU800482	UR100018	27%	98.0%	89.7%
SAU800482	VCH101986	32%	98.5%	96.7%
SAU800482	YPS003149	37%	98.0%	96.2%
SAU800489	ABA100849	39%	96.4%	98.9%
SAU800489	BAN100826	47%	98.2%	94.2%
SAU800489	BAN109279	47%	98.2%	94.2%
SAU800489	BFR10157	40%	79.9%	98.7%
SAU800489	BPT103018	40%	79.9%	60.5%
SAU800489	BBU100426	37%	80.3%	85.2%
SAU800489	BCE106082	43%	80.6%	76.6%
SAU800489	BFU100679	36%	48.0%	58.2%
SAU800489	BMA107830	41%	79.2%	75.3%
SAU800489	CJU100143	37%	80.6%	83.6%
SAU800489	CPN200367	31%	74.6%	92.0%
SAU800489	CTR200313	38%	36.6%	43.0%
SAU800489	CAC103360	42%	96.4%	95.7%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800489	CBO103359	41%	96.4%	95.1%
SAU800489	CDF101056	45%	96.4%	96.4%
SAU800489	CDP100164	36%	79.6%	75.9%
SAU800489	EBC103879	46%	81.0%	79.1%
SAU800489	EFA200796	44%	98.6%	94.8%
SAU800489	EFM201504	46%	98.6%	94.5%
SAU800489	ECO103078	44%	96.4%	92.7%
SAU800489	HIN101619	41%	96.8%	94.7%
SAU800489	HPY100545	34%	79.9%	83.6%
SAU800489	KPN302070	47%	81.0%	79.1%
SAU800489	LMO101796	47%	98.6%	94.5%
SAU800489	MCA102246	42%	96.8%	95.3%
SAU800489	MAV101484	33%	81.4%	81.7%
SAU800489	MBV100023	32%	96.8%	76.6%
SAU800489	MLP100137	33%	79.2%	78.6%
SAU800489	MTU200992	32%	96.8%	93.0%
SAU800489	MGE100058	32%	99.3%	99.3%
SAU800489	MPN100084	32%	99.3%	99.3%
SAU800489	NGO100957	36%	92.8%	87.6%
SAU800489	NME200318	35%	92.8%	87.6%
SAU800489	PMU100645	43%	96.8%	95.0%
SAU800489	PRT104969	41%	97.1%	91.8%
SAU800489	PAE204420	43%	79.9%	79.4%
SAU800489	PPU111744	45%	81.0%	77.2%
SAU800489	PSY103860	35%	25.8%	55.3%
SAU800489	SPA103913	43%	96.4%	92.3%
SAU800489	STY100962	42%	96.4%	92.3%
SAU800489	SAU800489	100%	100%	100%
SAU800489	SEP201822	69%	99.6%	99.6%
SAU800489	SHA100908	68%	100%	99.6%
SAU800489	SMU101225	43%	98.6%	94.4%
SAU800489	SPN400838	45%	97.8%	92.7%
SAU800489	SPY200293	44%	98.6%	94.8%
SAU800489	TPA100965	32%	80.6%	99.6%
SAU800489	UUR100195	35%	97.5%	95.3%
SAU800489	VCH100572	45%	96.8%	92.7%
SAU800489	YPS002234	40%	97.1%	89.6%
SAU800490	ABA100276	24%	98.3%	98.3%
SAU800490	BAN108536	52%	99.5%	99.7%
SAU800490	BAN106673	65%	99.5%	97.9%
SAU800490	BFR102747	27%	98.9%	98.7%
SAU800490	BPT101447	26%	98.0%	97.3%
SAU800490	BBU100586	24%	96.5%	88.4%
SAU800490	BCE102027	25%	71.2%	89.4%
SAU800490	BFU100073	26%	58.3%	88.4%
SAU800490	BMA108903	25%	73.2%	91.8%
SAU800490	CJU100777	40%	98.9%	99.5%
SAU800490	CPN200639	28%	67.4%	84.6%
SAU800490	CTR200296	29%	68.0%	85.1%
SAU800490	CAC100973	51%	99.7%	99.5%
SAU800490	CBO102771	51%	100%	95.7%
SAU800490	CDF101033	50%	100%	100%
SAU800490	CDP100167	29%	79.8%	93.1%
SAU800490	EBC101813	26%	96.2%	95.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800490	EFA202274	58%	99.5%	98.2%
SAU800490	EFM201416	59%	99.5%	99.4%
SAU800490	ECO102073	27%	97.7%	97.3%
SAU800490	HIN101245	28%	98.9%	98.7%
SAU800490	HPY100413	40%	97.1%	97.4%
SAU800490	KPN304492	27%	96.2%	95.4%
SAU800490	LPN100787	26%	98.0%	98.1%
SAU800490	LMO100235	64%	99.7%	99.4%
SAU800490	MCA102320	26%	98.8%	98.7%
SAU800490	MAV104609	61%	4.7%	44.9%
SAU800490	MAV106118	40%	79.5%	98.8%
SAU800490	MBV100570	41%	78.5%	97.5%
SAU800490	MLP100169	39%	78.5%	94.6%
SAU800490	MTU200996	41%	78.5%	97.5%
SAU800490	MGE100021	35%	78.7%	99.2%
SAU800490	MPN100131	36%	78.7%	99.2%
SAU800490	NGO101883	25%	98.3%	98.5%
SAU800490	NME200259	26%	98.3%	98.5%
SAU800490	PMU100303	27%	98.9%	98.7%
SAU800490	PRT101803	28%	98.9%	98.7%
SAU800490	PAE203480	24%	98.9%	98.8%
SAU800490	PPU101569	24%	98.9%	98.8%
SAU800490	PSY100792	26%	98.9%	98.8%
SAU800490	SPA103088	26%	73.1%	87.1%
SAU800490	STY104199	27%	96.2%	95.9%
SAU800490	STM103952	27%	96.2%	95.9%
SAU800490	SAU800490	100%	100%	100%
SAU800490	SEP201823	89%	100%	100%
SAU800490	SHA100909	90%	100%	100%
SAU800490	SMU101170	57%	99.5%	99.4%
SAU800490	SPN400696	56%	99.8%	97.8%
SAU800490	SPY200301	54%	99.8%	99.8%
SAU800490	TPA100790	25%	98.0%	91.6%
SAU800490	UUR100197	42%	80.2%	99.8%
SAU800490	VCH101017	29%	96.2%	89.6%
SAU800490	YPS002325	27%	98.9%	98.7%
SAU800491	ABA100892	35%	98.1%	98.4%
SAU800491	BAN104972	63%	99.2%	100%
SAU800491	BAN107227	67%	99.2%	99.6%
SAU800491	BFR10051	38%	99.2%	99.2%
SAU800491	BPT101189	46%	98.8%	97.3%
SAU800491	BBU100193	31%	93.4%	88.5%
SAU800491	BCE103375	40%	99.2%	99.2%
SAU800491	BFU101514	38%	99.2%	97.7%
SAU800491	BMA109910	39%	99.2%	95.5%
SAU800491	CJU100605	36%	98.1%	94.1%
SAU800491	CPN201066	32%	96.1%	96.6%
SAU800491	CTR200872	38%	97.3%	97.3%
SAU800491	CAC102492	40%	99.2%	100%
SAU800491	CBO103547	41%	99.2%	93.4%
SAU800491	CDF101036	46%	99.2%	99.6%
SAU800491	CDP100170	28%	99.6%	92.3%
SAU800491	EBC103303	32%	99.2%	99.6%
SAU800491	EFA202270	50%	99.6%	99.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800491	EFM202632	51%	99.6%	98.8%
SAU800491	ECO101073	37%	99.6%	96.6%
SAU800491	HIN100434	42%	98.8%	98.1%
SAU800491	HPY101550	36%	98.8%	99.2%
SAU800491	KPN301297	36%	99.2%	97.3%
SAU800491	LPN103035	39%	99.2%	95.6%
SAU800491	LMO102830	62%	99.2%	99.2%
SAU800491	MCA101167	33%	98.8%	96.3%
SAU800491	MAV103983	43%	32.3%	95.4%
SAU800491	MAV105506	34%	98.8%	92.3%
SAU800491	MBV100571	34%	98.8%	98.1%
SAU800491	MLP100170	34%	99.6%	99.6%
SAU800491	MTU200997	33%	98.8%	98.1%
SAU800491	MGE100009	32%	97.3%	97.7%
SAU800491	MPN100145	31%	97.3%	98.1%
SAU800491	NGO100069	38%	98.1%	95.8%
SAU800491	NME200905	38%	98.1%	95.8%
SAU800491	PMU101675	38%	99.2%	98.5%
SAU800491	PRT101376	38%	98.8%	97.3%
SAU800491	PAE202957	39%	99.2%	99.2%
SAU800491	PPU107366	38%	99.2%	96.6%
SAU800491	PSY101683	39%	99.2%	98.1%
SAU800491	SPA100837	35%	94.9%	92.8%
SAU800491	STY102538	35%	99.6%	96.6%
SAU800491	STM102728	36%	99.6%	96.6%
SAU800491	SAU800491	100%	100%	100%
SAU800491	SEP201824	85%	99.6%	100%
SAU800491	SHA100910	85%	99.2%	100%
SAU800491	SMU100668	46%	98.8%	84.6%
SAU800491	SPN401803	47%	100%	99.6%
SAU800491	SPY200190	44%	99.2%	92.7%
SAU800491	TPA100969	31%	98.8%	98.4%
SAU800491	UUR100015	32%	98.4%	96.6%
SAU800491	VCH101984	42%	98.4%	99.2%
SAU800491	YPS003163	37%	99.6%	95.2%
SAU800492	BAN104923	36%	97.8%	95.1%
SAU800492	BAN102132	46%	97.8%	94.6%
SAU800492	BBU100625	32%	97.8%	93.9%
SAU800492	BCE105663	35%	31.5%	16.1%
SAU800492	CAC101872	42%	97.2%	93.0%
SAU800492	CBO101116	43%	98.3%	96.1%
SAU800492	CDF101044	43%	97.8%	98.3%
SAU800492	EFA202268	50%	98.3%	92.3%
SAU800492	EFM201126	51%	98.9%	94.7%
SAU800492	LMO102330	50%	97.8%	92.1%
SAU800492	MGE100059	29%	98.9%	96.6%
SAU800492	MPN100083	30%	98.9%	96.6%
SAU800492	SAU800492	100%	100%	100%
SAU800492	SEP201825	80%	100%	98.3%
SAU800492	SHA100911	86%	94.4%	100%
SAU800492	SMU100669	48%	98.9%	95.3%
SAU800492	SPN401802	48%	98.3%	96.8%
SAU800492	SPY200191	48%	98.9%	95.8%
SAU800492	UUR100194	34%	97.8%	96.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800493	ABA100682	33%	90.5%	94.4%
SAU800493	BAN107465	48%	93.2%	96.5%
SAU800493	BAN113646	58%	94.9%	96.2%
SAU800493	BFR104367	29%	85.5%	93.7%
SAU800493	BPT102402	29%	88.2%	92.1%
SAU800493	BBU100589	30%	91.2%	88.6%
SAU800493	BCE108053	33%	87.2%	90.5%
SAU800493	BFU111016	31%	88.2%	91.0%
SAU800493	BMA101986	29%	88.2%	91.6%
SAU800493	CJU101615	30%	90.2%	95.1%
SAU800493	CPN200776	34%	94.9%	97.5%
SAU800493	CTR200623	32%	90.2%	92.4%
SAU800493	CAC101811	42%	93.2%	97.1%
SAU800493	CBO102499	45%	92.2%	95.3%
SAU800493	CDF101046	48%	94.3%	95.2%
SAU800493	CDP100176	36%	93.2%	92.9%
SAU800493	EBC103152	35%	88.2%	91.2%
SAU800493	EFA202266	55%	96.3%	96.6%
SAU800493	EFM201598	57%	86.5%	98.5%
SAU800493	ECO100051	34%	88.2%	91.2%
SAU800493	HIN100528	35%	89.5%	89.9%
SAU800493	HPY101410	28%	88.2%	95.9%
SAU800493	KPN303919	35%	87.2%	90.1%
SAU800493	LPN100965	36%	40.2%	99.1%
SAU800493	LPN101283	38%	52.4%	94.9%
SAU800493	LMO100407	54%	95.3%	95.9%
SAU800493	MCA100787	36%	88.2%	90.5%
SAU800493	MAV104612	40%	30.1%	45.4%
SAU800493	MAV105510	36%	85.5%	90.3%
SAU800493	MBV100573	37%	94.3%	87.1%
SAU800493	MLP100172	36%	88.2%	84.3%
SAU800493	MTU200999	37%	94.3%	87.1%
SAU800493	MGE100472	28%	90.9%	97.3%
SAU800493	MPN100163	27%	90.9%	95.8%
SAU800493	NGO101054	35%	88.2%	94.2%
SAU800493	NME200834	35%	88.2%	94.2%
SAU800493	PMU101209	34%	89.5%	89.6%
SAU800493	PRT101236	34%	88.2%	91.5%
SAU800493	PAE200591	34%	89.9%	94.4%
SAU800493	PPU100621	31%	91.6%	96.6%
SAU800493	PSY103410	31%	91.2%	95.9%
SAU800493	SPA103696	34%	88.2%	91.2%
SAU800493	STY101223	34%	88.2%	91.2%
SAU800493	SAU800493	100%	100%	100%
SAU800493	SEP201826	85%	97.6%	97.6%
SAU800493	SHA100888	85%	77.0%	97.4%
SAU800493	SMU100672	51%	94.3%	95.9%
SAU800493	SPN401797	52%	95.9%	97.9%
SAU800493	SPY200192	51%	95.9%	97.9%
SAU800493	TPA100333	30%	90.9%	91.9%
SAU800493	UUR100608	33%	87.5%	98.1%
SAU800493	VCH100438	34%	89.5%	89.4%
SAU800493	YPS000855	35%	88.2%	91.5%
SAU800499	ABA101082	43%	100%	98.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800499	BAN107008	57%	40.9%	93.9%
SAU800499	BAN100973	40%	96.2%	95.0%
SAU800499	BAN103777	57%	99.1%	97.2%
SAU800499	BFR105147	22%	37.3%	58.0%
SAU800499	BFR10527	25%	38.7%	67.2%
SAU800499	BPT102045	41%	99.3%	98.5%
SAU800499	BCE100457	41%	98.4%	97.6%
SAU800499	BFU103184	41%	98.4%	97.6%
SAU800499	BMA102057	42%	98.4%	78.1%
SAU800499	CJU100760	38%	100%	99.1%
SAU800499	CPN201105	28%	30.7%	82.4%
SAU800499	CTR200906	32%	18.7%	59.6%
SAU800499	CAC101806	48%	99.6%	98.2%
SAU800499	CBO102572	49%	98.7%	97.2%
SAU800499	CDF104126	53%	99.6%	97.4%
SAU800499	CDP100856	42%	98.4%	93.0%
SAU800499	EBC104247	42%	98.9%	97.1%
SAU800499	EFA200171	56%	99.6%	97.8%
SAU800499	EFM201841	53%	99.6%	99.1%
SAU800499	ECO103651	43%	98.9%	97.1%
SAU800499	HIN100623	43%	99.1%	97.4%
SAU800499	HPY100675	37%	98.9%	97.9%
SAU800499	KPN300897	41%	89.6%	98.0%
SAU800499	LPN103319	38%	88.9%	95.1%
SAU800499	LMO102429	54%	99.8%	98.2%
SAU800499	MCA100598	42%	100%	98.7%
SAU800499	MAV102216	40%	98.4%	92.0%
SAU800499	MBV105653	40%	98.4%	91.1%
SAU800499	MLP100180	39%	98.4%	91.7%
SAU800499	MTU201007	40%	98.4%	91.1%
SAU800499	NGO101927	43%	99.3%	94.3%
SAU800499	NME200267	41%	98.4%	96.5%
SAU800499	PMU101806	42%	98.9%	96.7%
SAU800499	PRT104690	42%	99.6%	97.6%
SAU800499	PAE205547	44%	100%	98.7%
SAU800499	PPU110920	45%	88.9%	98.0%
SAU800499	PSY103456	45%	98.9%	97.4%
SAU800499	SPA106948	48%	23.8%	83.6%
SAU800499	STY103862	43%	98.9%	97.1%
SAU800499	STM103592	25%	37.8%	43.4%
SAU800499	SAU800499	100%	100%	100%
SAU800499	SEP201832	76%	100%	99.8%
SAU800499	SHA100894	74%	99.8%	100%
SAU800499	SMU101164	49%	100%	96.6%
SAU800499	SPN400891	48%	99.6%	93.5%
SAU800499	SPY200317	47%	100%	97.8%
SAU800499	VCH102723	42%	100%	98.9%
SAU800499	YPS003547	43%	98.9%	97.1%
SAU800503	ABA102546	34%	16.7%	100%
SAU800503	ABA101608	37%	92.3%	93.1%
SAU800503	BAN104617	35%	94.9%	94.8%
SAU800503	BAN104798	50%	97.2%	97.0%
SAU800503	BFR106066	34%	92.6%	91.9%
SAU800503	BPT100078	36%	91.4%	93.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800503	BBU100622	35%	95.8%	95.6%
SAU800503	BCE107511	36%	91.1%	90.8%
SAU800503	BFU101876	43%	59.6%	73.5%
SAU800503	BMA109410	36%	91.1%	90.0%
SAU800503	CJU101011	36%	16.2%	7.8%
SAU800503	CPN200958	40%	18.1%	14.1%
SAU800503	CTR200123	40%	17.7%	13.9%
SAU800503	CAC101838	42%	98.6%	98.5%
SAU800503	CBO103147	42%	93.3%	91.6%
SAU800503	CDF103177	43%	90.8%	93.3%
SAU800503	CDP100876	35%	93.6%	88.2%
SAU800503	EBC101582	36%	84.3%	96.1%
SAU800503	EFA201946	48%	96.3%	95.1%
SAU800503	EFM201703	48%	97.5%	97.6%
SAU800503	ECO101087	36%	92.0%	92.9%
SAU800503	HIN101230	35%	93.5%	94.9%
SAU800503	HPY101518	31%	86.1%	89.7%
SAU800503	KPN300307	59%	10.0%	82.4%
SAU800503	KPN302590	43%	13.5%	12.8%
SAU800503	LPN102055	38%	92.0%	92.5%
SAU800503	LMO101320	50%	97.3%	96.7%
SAU800503	MCA102969	43%	21.3%	23.3%
SAU800503	MAV105497	37%	92.3%	89.8%
SAU800503	MBV103326	36%	96.6%	92.9%
SAU800503	MLP100181	37%	89.0%	87.3%
SAU800503	MTU201009	36%	96.6%	92.9%
SAU800503	NGO101007	44%	13.6%	20.5%
SAU800503	NME201357	41%	12.8%	23.5%
SAU800503	PMU101041	35%	89.6%	90.6%
SAU800503	PRT100883	37%	92.0%	91.4%
SAU800503	PAE203000	46%	16.6%	16.1%
SAU800503	PPU100453	47%	17.6%	17.2%
SAU800503	PSY102964	47%	17.6%	17.7%
SAU800503	SPA102802	34%	90.6%	92.5%
SAU800503	STY102552	36%	92.0%	92.9%
SAU800503	SAU800503	100%	100%	100%
SAU800503	SEP201836	83%	99.8%	99.7%
SAU800503	SHA101206	86%	91.5%	100%
SAU800503	SMU100032	44%	92.6%	92.1%
SAU800503	SPN400006	44%	98.1%	97.6%
SAU800503	SPY200006	43%	95.9%	95.3%
SAU800503	TPA100340	36%	85.5%	86.1%
SAU800503	VCH101856	36%	91.1%	92.0%
SAU800503	YPS003221	35%	91.7%	92.9%
SAU800505	ABA104443	32%	28.5%	43.3%
SAU800505	BAN111975	31%	87.9%	71.8%
SAU800505	BAN108271	48%	88.9%	99.8%
SAU800505	BFR102176	33%	38.0%	61.4%
SAU800505	BMA101936	30%	21.7%	29.9%
SAU800505	CPN200348	27%	30.5%	93.8%
SAU800505	CTR200519	33%	25.7%	81.1%
SAU800505	CAC100550	38%	87.2%	70.8%
SAU800505	CBO103340	43%	88.4%	71.5%
SAU800505	CDF100076	37%	36.0%	96.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800505	CDF102581	40%	87.9%	70.1%
SAU800505	CDP100886	30%	50.9%	95.2%
SAU800505	EBC102295	40%	28.5%	43.0%
SAU800505	EFM201761	21%	36.5%	30.5%
SAU800505	ECO102721	37%	31.2%	47.1%
SAU800505	HIN100440	38%	31.7%	47.5%
SAU800505	KPN305177	38%	28.5%	43.0%
SAU800505	MCA100862	42%	25.7%	38.4%
SAU800505	MAV105499	36%	25.4%	30.5%
SAU800505	MBV105650	38%	25.4%	31.4%
SAU800505	MTU201010	38%	25.4%	31.4%
SAU800505	PMU101285	33%	31.2%	46.6%
SAU800505	PRT101036	38%	28.5%	42.6%
SAU800505	PAE200934	33%	28.7%	45.7%
SAU800505	PPU107700	34%	24.9%	35.7%
SAU800505	PSY104526	40%	28.5%	94.2%
SAU800505	SPA102074	35%	30.5%	82.9%
SAU800505	STY103512	36%	31.2%	46.6%
SAU800505	SAU800505	100%	100%	100%
SAU800505	SEP201838	72%	100%	100%
SAU800505	SHA102554	70%	36.3%	100%
SAU800505	TPA100770	34%	25.2%	38.3%
SAU800505	VCH102414	38%	31.2%	44.6%
SAU800505	YPS000131	38%	24.2%	34.3%
SAU800506	ABA101313	32%	92.0%	55.5%
SAU800506	BAN106094	68%	97.7%	93.4%
SAU800506	BFR102864	32%	80.5%	51.5%
SAU800506	BCE102752	38%	56.3%	36.3%
SAU800506	BFU102630	29%	97.7%	61.9%
SAU800506	BMA103568	37%	51.7%	33.3%
SAU800506	CJU100622	36%	89.7%	97.5%
SAU800506	CAC100495	56%	90.8%	94.0%
SAU800506	CBO103120	46%	90.8%	100%
SAU800506	CDF102100	56%	92.0%	96.4%
SAU800506	EBC103854	38%	74.7%	48.9%
SAU800506	EFA201935	55%	98.9%	98.9%
SAU800506	EFM200589	60%	97.7%	95.5%
SAU800506	ECO103323	38%	74.7%	48.9%
SAU800506	HIN100541	33%	74.7%	49.6%
SAU800506	HPY101402	32%	80.5%	86.9%
SAU800506	KPN303170	34%	88.5%	58.6%
SAU800506	LMO100666	60%	100%	94.6%
SAU800506	MCA100618	31%	100%	69.2%
SAU800506	NGO103107	30%	88.5%	58.6%
SAU800506	NME201236	30%	88.5%	58.6%
SAU800506	PMU101546	34%	93.1%	58.6%
SAU800506	PRT105340	33%	69.0%	43.8%
SAU800506	PAE205190	32%	88.5%	59.5%
SAU800506	PPU109989	36%	100%	67.7%
SAU800506	PSY108373	37%	73.6%	47.4%
SAU800506	SPA102218	35%	88.5%	59.5%
SAU800506	STY101382	35%	88.5%	58.6%
SAU800506	STM102897	34%	88.5%	58.6%
SAU800506	SAU800506	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800506	SEP201839	75%	98.9%	98.9%
SAU800506	SMU100033	57%	97.7%	94.4%
SAU800506	SPN400007	61%	98.9%	97.7%
SAU800506	SPY200007	55%	96.6%	85.7%
SAU800506	VCH102696	30%	74.7%	51.2%
SAU800506	YPS001564	32%	92.0%	60%
SAU800509	ABA100310	21%	88.2%	88.1%
SAU800509	BAN106833	24%	89.3%	89.3%
SAU800509	BAN110448	25%	91.6%	87.0%
SAU800509	BFR105493	33%	37.1%	39.2%
SAU800509	BPT101422	24%	43.9%	64.0%
SAU800509	BBU100787	26%	75.9%	72.5%
SAU800509	BCE103292	27%	45.5%	41.0%
SAU800509	BFU100945	26%	43.6%	39.1%
SAU800509	BMA101020	24%	43.2%	40.6%
SAU800509	CJU101371	34%	41.8%	53.3%
SAU800509	CPN200842	29%	54.8%	72.4%
SAU800509	CTR200223	29%	55.2%	72.6%
SAU800509	CAC100355	27%	90.5%	88.5%
SAU800509	CBO100497	23%	90.5%	87.4%
SAU800509	CDF101023	26%	93.0%	90.7%
SAU800509	CDP100675	24%	44.1%	57.3%
SAU800509	EBC102557	29%	44.1%	72.7%
SAU800509	EFA201933	29%	93.5%	84.2%
SAU800509	EFM202069	26%	88.9%	92.8%
SAU800509	ECO100188	32%	94.2%	93.1%
SAU800509	HIN100384	23%	92.1%	93.7%
SAU800509	HPY100716	22%	79.4%	88.7%
SAU800509	KPN301915	30%	94.2%	92.0%
SAU800509	LPN100863	22%	86.1%	91%
SAU800509	MCA100637	29%	46.6%	45.0%
SAU800509	MBV102370	24%	45.2%	56.0%
SAU800509	MLP100150	24%	45.0%	56.3%
SAU800509	MTU203573	24%	45.2%	56.0%
SAU800509	MGE100086	27%	60.6%	97.2%
SAU800509	MPN100609	29%	42.5%	60.2%
SAU800509	NGO102060	33%	43.2%	43.8%
SAU800509	NME201238	34%	43.2%	42.3%
SAU800509	PMU100289	22%	92.1%	94.2%
SAU800509	PRT101174	21%	92.3%	90.2%
SAU800509	PAE203636	31%	49.0%	46.6%
SAU800509	PPU101173	27%	46.6%	44.5%
SAU800509	PSY104552	25%	38.3%	60.9%
SAU800509	SPA100900	31%	43.6%	43.1%
SAU800509	STY103952	32%	44.1%	43.3%
SAU800509	STM103634	32%	44.1%	43.3%
SAU800509	SAU800509	100%	100%	100%
SAU800509	SEP201842	53%	100%	99.8%
SAU800509	SHA100217	51%	74.2%	99.4%
SAU800509	SMU101186	27%	89.6%	92.8%
SAU800509	SPN400010	26%	94.4%	90.8%
SAU800509	SPY200010	26%	96.3%	93.0%
SAU800509	TPA100369	34%	89.8%	88.1%
SAU800509	UUR100075	28%	52.7%	66.7%